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THE PANAMA CANAL RECORD

PUBLISHED WEEKLY UNDER
THE AUTHORITY AND SUPER-
VISION OF THE PANAMA CANAL

AUGUST 11, 1926, TO AUGUST 3, 1927

VOLUME XX

WITH INDEX

THE PANAMA CANAL
BALBOA HEIGHTS, CANAL ZONE
1927

THE PANAMA CANAL PRESS
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1927.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., August 11, 1926. No. 1.

Commercial Traffic Through the Panama Canal During the Fiscal Year 1926, Segregated Among the Principal Trade Routes.

A segregation of commercial traffic through the Canal for the fiscal year ended June 30, 1926, shows seven routes over which the movement of cargo aggregated more than 1,000,000 tons. Of these seven routes, only one shows a fairly balanced trade with respect to volume of traffic handled, and in five of them the preponderance of tonnage was in the Pacific-to-Atlantic movement. This one-way cargo movement was largely responsible for 874 vessels transiting the Canal in ballast during the year. Of these, 535 were tankships, of which all but five were Pacific bound; and 339 were general cargo carriers, of which all but 32 were en route to Pacific ports.

By far the most important route was the trade between the Atlantic and Pacific coasts of the United States. More than 10,000,000 tons of cargo passed through the Canal during the year in this trade, exceeding the tonnage of any previous year excepting 1924 when the mineral oil shipments brought the aggregate cargo moving between United States intercoastal ports up to 13,527,378 tons.

Cargo moving between the east coast of the United States and the west coast of South America ranked second in volume, the tonnage for 1926 being greater than for any preceding fiscal year.

Third in volume was the cargo moving between Europe and the west coast of South America and this is the only important trade showing a lower cargo movement for 1926 than for the preceding year. The shrinkage was in the European bound tonnage and the decline was less than one hundred thousand tons.

The trade between Europe and the Pacific coast of North America is segregated in the table below in an effort to show the movement between United States ports and Canadian ports. The trade between Europe and the Pacific northwest should be considered as a unit, however, since the same steamship lines serve both countries an accurate segregation of cargo in many instances is difficult. Combining the two routes, this trade ranks second to the United States intercoastal trade in volume of tonnage. European bound tonnage was more than four times greater than the volume of return cargoes over this route

Cargo moving between the east coast of the United States and the Far East showed an increase over the preceding year but was less than in 1923 or 1924. Cargoes returning from the Orient over this route aggregated less than one-third the volume of the outgoing tonnage.

Trade between Australasia and the east coasts of the United States and Canada and with Europe, exceeded that of any preceding year, there being a considerable increase in the volume of tonnage moving from Australasia to the British Isles and in the Canadian-Australasian tonnage.

Although the aggregate cargo tonnage passing through the Canal during the fiscal year 1926 was not so great as in 1924, the trade was better diversified, tanker tonnage comprising approximately but 25 per cent of the total during 1926 as compared with 39 per cent in 1924. With the exception of the slump in mineral oil shipments, and a very slight decline in cargo moving between the east coast of the United States and the Far East, there has been a progressive increase in all the principal trades contributing to Canal traffic during the past two years.

Details concerning the number of transits, revenue from tolls, aggregate net tonnage, and cargo tonnage, in each trade are contained in the tabulation following:

COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL DURING THE FISCAL YEAR 1926, CLASSIFIED BY LEADING TRADE ROUTES.

Trade route.	No. of transits.	Tolls.	Panama Canal net tonnage.	Tons of cargo.
United States intercoastal trade:				
Atlantic to Pacific	911	$4,046,389.68	4,775,673	2,435,748
Pacific to Atlantic	908	4,717,163.72	4,773,409	7,633,856
Total	1,819	8,763,553.40	9,549,082	10,069,604
East coast United States–West coast South America:				
Atlantic to Pacific	255	894,461.67	1,083,448	423,730
Pacific to Atlantic	310	1,384,701.52	1,373,736	2,816,346
Total	565	2,279,163.19	2,457,184	3,240,076
Europe–West coast of South America:				
Atlantic to Pacific	232	1,008,141.63	1,039,111	783,007
Pacific to Atlantic	253	1,137,401.88	1,160,746	1,612,733
Total	485	2,145,543.51	2,199,857	2,395,740
Europe–West coast Canada:				
Atlantic to Pacific	155	751,954.51	810,489	377,446
Pacific to Atlantic	216	1,066,813.60	1,123,381	1,681,663
Total	371	1,818,768.11	1,933.870	2,059,109
United States–Far East:				
Atlantic to Pacific	222	1,131,324.45	1,189,387	1,421,214
Pacific to Atlantic	57	287,614.10	296,883	333,834
Total	279	1,418,938.55	1,486.270	1,755,048
Europe–West coast of United States:				
Atlantic to Pacific	179	721,736.73	925,432	324,540
Pacific to Atlantic	162	787,728.00	793,206	1,331,662
Total	341	1,509,464.73	1,718,638	1,656,202
Europe–Australasia:				
Atlantic to Pacific	87	586,784.99	619,442	543,825
Pacific to Atlantic	97	644,708.15	683,471	556,871
Total	184	1,231,493.14	1,302,913	1,100,696
East coast United States–West coast Canada:				
Atlantic to Pacific	84	295,665.85	366,377	199,175
Pacific to Atlantic	99	401,942.50	420,419	651,969
Total	183	697,608.35	786,796	851,144
United States–Australasia:				
Atlantic to Pacific	146	678,563.94	728,385	727,406
Pacific to Atlantic	21	98,939.70	94,240	33,087
Total	167	777,503.64	822,625	760,493
East coast Canada–West coast South America:				
Atlantic to Pacific	12	56,244.78	76,792	.....
Pacific to Atlantic	24	157,459.15	142,784	280,231
Total	36	213,703.93	219,576	280,231

Trade route.	No. of transits.	Tolls.	Panama Canal net tonnage.	Tons of cargo.
East coast Canada–West coast United States:				
Atlantic to Pacific	12	$61,497.24	84,529	.....
Pacific to Atlantic	19	143,601.85	138,497	271,618
Total	31	205,099.09	223,026	271,618
Cristobal, C. Z.–West coast United States:				
Atlantic to Pacific	28	76,202.96	105,242	26,251
Pacific to Atlantic	33	120,766.25	129,767	200,129
Total	61	196,969.21	235,009	226,380
East coast Canada–Australasia:				
Atlantic to Pacific	35	140,306.25	141,168	119,604
Pacific to Atlantic	18	80,233.75	79,893	32,677
Total	53	220,540.00	221,061	152,281
Canadian intercoastal:				
Atlantic to Pacific	10	38,033.75	38,784	33,290
Pacific to Atlantic	14	56,357.50	59,240	85,175
Total	24	94,391.25	98,024	118,465
Cristobal, C. Z.–West coast South America:				
Atlantic to Pacific	67	67,153.42	87,868	31,879
Pacific to Atlantic	73	71,684.71	90,585	84,379
Total	140	138,838.13	178,453	116,258
Cristobal, C. Z.–West coast Central America:				
Atlantic to Pacific	40	31,741.20	29,464	38,073
Pacific to Atlantic	40	34,056.55	32,682	31,049
Total	80	65,797.75	62,146	69,122
Around the world:				
Atlantic to Pacific	21	172,577.50	196,832	67,866
Pacific to Atlantic	1	12,607.50	16,521	.....
Total	22	185,185.00	213,353	67,866
East coast United States–Gatun Lake, C. Z.:				
Atlantic to Pacific	74	77,236.11	74,544	.....
Pacific to Atlantic	([1])	([1])	([1])	22,552
Total	74	77,236.11	74,544	22,552
Miscellaneous routes and sailings:				
Atlantic to Pacific	190	619,878.73	706,481	484,043
Pacific to Atlantic	92	271,380.16	285,683	340,520
Total	282	891,258.89	992,164	824,563
Total, Atlantic to Pacific traffic	2,760	11,455,895.39	13,079,448	8,037,097
Total, Pacific to Atlantic traffic	2,437	11,475,160.59	11,695,143	18,000,351
Commercial traffic, fiscal year 1926	5,197	22,931,055.98	24,774,591	26,037,448

[1] These 74 vessels entered the Canal at Cristobal and proceeded as far as Gatun Lake, where, after taking on cargoes of bananas, they returned to the Atlantic entrance of the Canal. As vessels transiting the Canal as far as Gatun Lake only, are entitled to return to Canal port of entry without payment of tolls for return voyage, the only items taken up in connection with these transits in the Pacific-to-Atlantic traffic statistics is the amount of cargo tonnage.

In addition to the above traffic through the Canal, 809 vessels called at Cristobal and 154 vessels at Balboa during the year, without transiting the Canal. Of the vessels transiting the Canal, 1,049 stopped at Cristobal and 737 at Balboa for the purpose of handling passengers or cargo at the terminal ports.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, August 7, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Oneida	1	4.00	1	6.30	1	13.24	1	14.35	American	Ford Motor Co	251.0	43.6	18.5	New York, N. Y.	San Francisco, Cal.	Auto parts	2,308	2,656	1,632
H. C. Folger [1]	1	6.00	1	6.40	1	14.19	1	15.20	American	Atlantic Refining Co	435.0	56.0	19.0	Philadelphia, Pa	San Pedro, Calif	Ballast		7,461	5,159
Ramapo [1]	7-30	6.30	1	7.20	1	14.37	1	15.50	American	U. S. Navy	461.6	60.0	20.9	Guantanamo, Cuba	San Pedro, Calif	Ballast			
Corinthic	8-1	10.45	2	6.12	2	15.07	2	16.00	British	Shaw, Savill & Albion Co.	500.3	63.3	28.0	London, England	Wellington, N. Z.	General	6,516	12,821	9,507
Melville Dollar	1	19.20	2	6.30	2	15.58	2	16.55	American	Dollar S. S. Line	429.0	55.2	18.6	Norfolk, Va	San Pedro, Calif	General	2,310	7,581	5,519
Almirante [2]	1	15.20	2	6.07	2	15.58	2	16.55	Panaman	United Fruit Co	70.0	18.6	8.0	Cristobal, C. Z.	Tonosi, R. P.	(7)	49	79	52
Socony [1]	1	14.30	2	7.35	2	16.55	2	18.20	American	Standard Transp. Co	321.0	46.0	21.0	New York, N. Y.	San Pedro, Calif	Ballast		3,833	2,388
Socony *No. 88* [3]	1	14.30	2	7.20	2	17.02	2	18.20	American	Standard Transp. Co	250.0	43.0	10.0	New York, N. Y.	San Pedro, Calif	Ballast		2,058	1,665
Skramstad [4]	1	20.15	2	7.35	2	17.49	2	18.47	Norwegian	Fernley & Eger	382.7	53.4	26.8	Galveston, Tex	Osaka, Japan	General	7,216	6,082	4,236
Swan [5]			2	7.30	2	17.55			American	U. S. Navy	180.0	35.6		Cristobal, C. Z.	Balboa, C. Z.	Towing *Barge 2*			
City of Bath	1	21.00	2	8.25	2	17.45	2	18.47	British	Hall Line, Ltd	393.2	52.2	28.0	Philadelphia, Pa	Shanghai, China	General	6,900	6,340	4,543
Chas. R. McCormick	1	22.20	2	9.30	2	18.40	2	19.45	American	Munson, McCor'k Line.	401.0	53.3	21.4	New York, N. Y.	Seattle, Wash	General	5,500	7,082	5,167
Port Caroline	1	23.20	2	10.50	2	19.53	2	21.10	British	Com'lth & Dom. Line	480.7	62.8	28.8	New York, N. Y.	Adelaide, Australia.	Asphalt, general	6,306	10,740	7,829
Kenowis [6]	7-30	13.00	2	12.40	2	21.40	8	10.24	American	U. S. Army	390.0	54.2	22.9	New York, N. Y.	San Francisco, Cal.	Gov. supplies	3,295	6,131	4,380
St. Mihiel [6]	8-3	0.55	3	6.20	3	14.54	4	14.45	American	U. S. Army	436.0	58.0	23.0	New York, N. Y.	San Francisco, Cal.	Gov. supplies	749		
Lagarto	1	0.05	3	6.05	3	15.15	3	22.30	British	Pacific Steam Nav. Co.	385.1	52.0	17.5	Glasgow, England	Corral, Chile	General	1,092	5,656	3,823
Susherico	2	17.10	3	7.02	3	15.40	3	16.35	American	Transmarine Lines	324.0	46.2	19.10	New York, N. Y.	San Francisco, Cal.	General	2,783	3,984	2,628
Steel Exporter	2	19.00	3	7.25	3	16.19	3	17.15	American	Isthmian S. S. Lines	424.0	56.0	25.10	New Orleans, La	Darien, China	General	7,975	7,611	5,450
Montanan	3	1.10	3	8.20	3	16.41	3	17.35	American	Amer.-Hawaiian Line	404.6	53.0	22.8	New York, N. Y.	Portland, Oreg	General	5,181	6,756	4,775
Agwisun [1]	3	3.30	3	8.35	3	17.07	3	17.55	American	Inter. Shipping Corp	429.3	59.2	16.6	Philadelphia, Pa	San Pedro, Calif	Ballast		7,612	5,402
Eagle	3	2.30	3	9.55	3	17.28	3	18.15	American	Williams S. S. Line	410.0	56.0	22.9	Baltimore, Md	Seattle, Wash	General	4,762	8,243	6,266
Victorious	3	4.10	3	10.15	3	18.00	3	18.55	American	American Pioneer Line.	410.1	56.0	25.8	New York, N. Y.	Manila, P. I.	(8)	7,909½	8,328	6,036
Urubamba	7-29	17.35	3	10.50	3	19.00	3	20.05	Peruvian	Peruvian Line	381.2	46.1	19.3	Cristobal, C. Z.	Callao, Peru	General	583	4,803	2,951
Finn [4]	8-3	0.20	3	10.50	3	19.10	3	20.05	Swedish	General S. S. Corp	271.0	41.3	18.0	Tampico, Mexico	San Pedro, Calif	Iron, sugar	2,400	2,472	1,513
William A. McKenney	3	5.15	3	Noon	3	19.57	3	23.56	American	Norton, Lilly & Co	395.0	55.0	26.0	Baltimore, Md	Vancouver, B. C.	Steel, general	8,357	6,993	4,990
Feltore	3	15.00	3	13.20	3	20.40	3	21.50	American	Ore S. S. Corp	449.0	57.2	21.5	Norfolk, Va	Cruz Grande, Chile	Ballast		7,808	5,139
East Indian [4]	3	14.20	4	6.10	4	14.20	4	15.45	American	Ford Motor Co	445.0	58.0	27.0	New York, N. Y.	Yokohama, Japan	Sugar, motors	8,925	8,787	6,275
Canada [4]	3	18.25	4	10.25	4	17.34	5	11.19	Swedish	Johnson Line	425.0	56.0	24.0	Stockholm, Sweden	Honolulu, T. H.	General	7,546	7,476	5,456
Erik Frisell [4]	3	15.28	4	10.30	4	16.47	4	23.20	Swedish	Trafikaktiebolaget G'rg	392.6	53.0	15.6	Rotterdam, Holl	San Francisco, Cal.	Ballast		5,766	4,084
J. M. Danziger [1]	4	10.45	4	11.05	4	18.18	4	19.23	American	Huasteca Petroleum Co.	446.0	58.0	19.6	Boston, Mass	San Pedro, Calif	Ballast		6,963	4,886
Canadian Transporter	4	7.45	4	12.28	4	19.09	4	20.54	British	Can. Gov. Mer. Mar	400.0	52.4	14.2	Avonmouth, Eng	Vancouver, B. C.	General	1,621	6,228	4,491
Lewis Luckenbach	4	8.25	4	13.15	4	20.20	4	21.42	American	Luckenbach Line	496.0	68.2	22.0	Boston, Mass	Seattle, Wash	General	6,000	11,487	8,762
Wido	4	11.20	4	13.35	4	21.06	4	22.50	German	Roland Line	393.0	54.0	22.2	Hamburg, Germany	Valparaiso, Chile	General	3,781	6,585	4,631
Rimutaka	4	17.00	5	6.07	5	13.31	5	22.58	British	N. Z. Shipping Co	457.0	58.0	26.7	London, England	Wellington, N. Z.	General	8,154	9,201	6,961

[1] Tanker. [2] Motor schooner. [3] Barge. [4] Motor ship. [5] Mine sweeper. [6] Transport. [7] 1,021 bags of banana seed. [8] Gasoline, kerosene, and general cargo.

Planet	3	9.35	5	6.10	5	14.24			German	F. Laeisz	451.0	57.2	22.0	Hamburg, Germany	Valparaiso, Chile	General	5,950	7,460	5,234
G. Harrison Smith[1]	4	16.00	5	7.15	5	15.53	5	17.05	British	International Pet. Co	550.6	72.0	22.6	New York, N. Y.	San Pedro, Calif	Ballast		15,476	10,751
Finland	5	6.48	5	7.30	5	15.01	5	23.37	American	Panama-Pacific Line	560.0	60.2	23.6	New York, N. Y.	San Francisco, Cal.	Steel, general	2,484	13,559	9,016
Chr. Knudsen	5	7.20	5	8.35	5	15.40	5	19.12	Norwegian	Gunnar Knudsen	381.2	54.7	14.0	Hull, England	San Francisco, Cal.	Ballast		6,083	4,561
Coquina	4	13.30	5	8.40	5	19.31	5	20.35	American	DuPont Powder Co	251.0	43.0	20.4	Philadelphia, Pa	Tacoma, Wash	Powder	2,100	2,290	1,459
Memphis City	5	8.40	5	9.05	5	17.27	5	22.58	American	Isthmian S. S. Lines	425.2	56.0	26.6	Charleston, S. C.	Shanghai, China	General	8,139	7,611	5,450
William Rockefeller[2]	5	9.05	5	9.55	5	17.43	5	18.50	American	Standard Oil Co	554.9	75.3	20.0	New York, N. Y.	San Pedro, Calif	Ballast		14,785	10,313
Agwibay[1]	5	9.30	5	10.20	5	18.40	5	19.41	American	Inter. Shipping Corp.	468.5	62.7	19.0	New York, N. Y.	San Pedro, Calif	Ballast		9,776	6,903
Moerdijk	4	7.05	5	11.14	5	20.29	5	22.25	Dutch	Holland-American Line	472.6	61.10	20.7	Rotterdam, Holl.	Vancouver, B. C.	Bananas, general	3,264	9,165	7,056
Nowshera	5	8.10	5	13.15	5	21.40	5	22.58	British	Norton, Lilly & Co	450.0	58.0	26.6	Swansea, England	Brisbane, Australia	General	4,742	8,207	5,427
Manuel Calvo	4	10.05	6	6.15	6	13.29	6	14.30	Spanish	Spanish Line	421.0	48.0	21.0	Barcelona, Spain	Valparaiso, Chile	General	121	5,996	3,897
Saint Jean	4	6.25	6	6.06	6	14.44	6	22.47	French	French Line	397.0	50.0	20.6	Antwerp, Belgium	Talcahuano, Chile	Cement, general	1,450	5,849	4,081
Cleveland[9]	5	15.15	6	6.00	6	13.52			American	U. S. Navy	292.0	44.0	17.7	Cristobal, C. Z.	Balboa, C. Z.	Ballast			
Antinous	5	13.45	6	7.10	6	15.29	6	16.30	British	Andrew Weir & Co	401.6	53.0	25.8	Manati, Cuba	Auckland, N. Z.	Sugar	7,150	6,271	4,637
Lio[1]	5	23.15	6	7.20	6	15.44	7	8.37	American	Standard Transp. Co	431.5	59.2	26.9	Baltimore, Md	Los Angeles, Calif.	Ballast		7,846	5,112
Canadian Seigneur	6	3:00	6	8.40	6	16.23	6	17.40	British	Can. Gov. Mer. Mar	400.0	52.0	25.0	Antwerp, Belgium	Vancouver, B. C.	General	6,900	5,893	4,135
Emidio[1]	6	7.05	6	8.50	6	16.55	6	18.10	American	Standard Transp. Co	435.0	56.0	18.0	Boston, Mass	Los Angeles, Calif.	Ballast		7,433	5,058
Teno	6	1.55	6	9.40	6	17.36	6	18.29	Chilean	Chilean Line	422.8	56.0	25.3	New York, N. Y.	Valparaiso, Chile	General	1,538	7,758	4,672
Swiftwind[1]	6	12.14	6	12.20	6	18.45	7	1.15	American	C. D. Mallory & Co., Inc.	464.0	60.0	21.0	Fall River, Mass.	San Pedro, Calif	Ballast		8,473	5,997
Tsuyama Maru	6	12.25	6	12.35	6	19.50	7	7.05	Japanese	Nippon Yusen Kaisha	445.0	58.0	20.0	New York, N. Y.	Yokohama, Japan	General	8,872	7,956	5,681
Escobal[10]	5		6		6	12.07			American	San Blas Develop. Co.				Cristobal, C. Z.	Gatun, C. Z.	(12)		5	5
Lake Office[11]			6		6	12.07			Panaman	San Blas Develop. Co.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		28	28
Saint Andre	5	7.25	7	6.15	7	13.10	7	16.05	French	French Line	397.9	50.3	18.0	Havre, France	Talcahuano, Chile	General	226	5,958	4,164
Canadian Planter	7	6.40	7	7.05	7	14.14	7	15.30	British	Can. Gov. Mer. Mar	400.3	52.0	19.0	Montreal, Canada	Vancouver, B. C.	General	2,500	5,858	4,108
Independence	7	9.48	7	10.00	7	17.04	7	21.22	American	American-Pioneer Line	440.0	56.0	21.2	Newport News, Va	Manila, P. I.	Case oil, general	5,339	8,290	6,063
Salvador	3	17.25	7	10.20	7	17.47	7	18.58	British	Pacific Steam Nav. Co	215.0	33.5	18.0	Cristobal, C. Z.	Champerico, Guat	General	1,167	12,70	735
Standard[1]	7	10.25	7	10.45	7	17.52	7	18.58	American	Standard Oil Co	523.0	68.0	22.0	Baltimore, Md	Los Angeles, Calif.	Ballast		12,171	8,782
Zinal	6	20.15	7	11.15	7	19.09	9	20.19	British	Andrew Weir & Co	400.0	54.8	25.1	Rotterdam, Holl.	Sydney, Australia	Crude sulphur	7,601	5,734	4,122
Indiana	6	19.45	7	13.05	7	19.49	7	21.22	French	French Line	455.0	56.0	20.0	Havre, France	Vancouver, B. C.	General	2,927	7,154	4,936

[1] Tanker. [9] Cruiser. [10] Launch. [11] Barge. [12] Towing barge *Lake Office*.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Royal Arrow[1]	7-31	8.50	1	6.23	1	14.45	5	5.12	American	Standard Oil Co. of N.J.	467.6	62.7	27.3	Los Angeles, Calif.	Baltimore, Md	Gasoline	10,750	9,699	6,895
Inverglass[1]	31	15.35	1	7.25	1	15.15	1	15.15	British	Andrew Weir & Co	422.0	55.6	28.9	Long Beach, Calif.	Southampton, Eng.	Fuel oil	8,781	7,138	4,922
Almirante[13]	8-1	6.00	1	7.25	1	15.20	2	6.07	Panaman	United Fruit Co	70.0	18.6	4.6	Panama Bay, R. P.	Cristobal, C. Z.	Tob., rice, corn.	5	79	52
Albert Jeffress	7-31	18.06	1	7.59	1	15.38	1	15.38	American	Garland S. S. Line	384.6	51.2	25.2	Aberdeen, Wash	New York, N. Y.	Lumber	5,800	6,347	4,453
Oak Park	8-1	8.30	1	9.14	1	16.15	1	17.15	American	American-Pioneer Line	417.3	53.0	20.0	Ilo Ilo, P. I.	New York, N. Y.	Sugar, rice, gen.	4,053	6,570	4,798
Swiftarrow[1]	1	9.00	1	9.40	1	17.10	2	0.30	American	C. D. Mallory & Co., Inc.	465.65	60.2	27.0	San Pedro, Calif	Fall River, Mass.	Crude oil	11,100	8,473	6,050
Montana	1	13.30	1	13.52	1	21.42	2	6.10	American	Dollar S. S. Line	419.5	56.6	27.6	Seattle, Wash	New York, N. Y.	Lumber, general	10,100	8,696	6,315
Suportco	1	13.45	1	15.11	1	22.30	1	22.25	American	Transmarine Lines	324.0	46.2	24.0	Gray's H'bor, Wash	New York, N. Y.	Lumber	4,356	3,984	2,612
Trontolite[14]	1	13.15	2	6.21	2	15.10	2	17.25	British	Imperial Oil Co	420.8	57.0	27.0	Talara, Peru	Halifax, N. S.	Crude oil	10,150	7,226	4,649
Empire Arrow[1]	1	22.15	2	7.11	2	16.25	2	16.25	American	Standard Transp. Co	468.3	62.7	27.6	San Pedro, Calif	New York, N. Y.	Gasoline	11,228	9,841	6,987
Santa Elisa	1	21.45	2	8.15	2	15.44	2	18.10	American	Grace Line	360.3	51.7	23.0	Talcahuano, Chile	New York, N. Y.	General	2,654	5,957	4,325
Charlton Hall	1	14.10	2	8.43	2	17.20	2	19.55	American	U.S. Steel Products Co.	400.0	50.0	25.6	Caleta Colosa, Chile	Baltimore, Md	Nitrate	7,200	5,714	4,161
Laguna	1	21.30	2	9.08	2	18.05	2	23.30	Italian	Nav. Lib.-Triestina	400.7	54.1	24.0	Vancouver, B. C.	Fayal, Azores[15]	Wheat	7,651	5,486	4,040
Oriole	2	5.30	2	9.48	2	18.05	2	18.05	American	Oriental Nav. Co	410.5	54.2	26.3	Tacoma, Wash	Philadelphia, Pa	Lumber	6,000	6,755	4,873

[1] Tanker. [13] Motor schooner. [14] Motor ship. [15] For orders

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Curaca	2	4.10	2	12.18	2	19.30	2	19.30	American	Grace Line	403.0	52.4	26.1	Punta Arenas, Chile	New York, N. Y.	(19)	7,159	6,804	4,897
Mericos H. Whittier[1]	2	12.45	2	13.43	2	21.00	2	21.00	American	Associated Oil Co	435.6	56.2	28.0	San Francisco, Cal.	Philadelphia, Pa.	Gas oil	10,000	7,426	5,128
Heffron	2	14.00	2	15.00	2	22.27	2	22.27	American	Weyerhaeuser Timb. Co.	440.0	56.0	26.3	Everett, Wash.	Baltimore, Md	Lumber	8,000	8,299	6,201
San Rosendo[1]	2	16.30	3	6.20	3	14.15	3	14.15	British	Anglo-Mexican Pet. Co.	497.1	52.2	25.0	San Pedro, Calif.	London, England	Gasoline	7,323	6,237	4,353
Watertown[1]	2	11.35	3	7.05	3	15.30	3	15.30	American	Cities Serv. Transp. Co.	416.9	56.2	27.6	San Pedro, Calif.	Philadelphia, Pa.	Gasoline	8,500	6,706	4,766
Francis E. Powell[1]	3	4.30	3	7.54	3	16.38	3	16.38	American	Atlantic Refining Co	431.0	59.2	26.10	San Pedro, Calif.	Baltimore, Md	Gasoline, bulk	9,706	7,869	5,101
Salvador	3	4.00	3	8.40	3	17.25	7	10.20	British	Pacific Steam Nav. Co	215.0	33.5	13.5	Champerico, Guat.	Cristobal, C. Z.	Coffee, general	536	1,270	735
Adalia	3	6.15	3	8.52	3	17.35	3	19.40	German	Hamburg-American Line	337.6	48.2	13.6	Champerico, Guat.	Tampico, Mexico	Ballast		4,284	3,054
Brielle	3	5.00	3	9.20	3	18.05	4	1.05	Dutch	Royal Amsterdam	400.0	58.0	25.4	Valparaiso, Chile	Hamburg, Germany	General	7,703	7,322	4,798
San Fabian[1]	3	6.45	3	9.50	3	19.20	3	23.25	British	Eagle Oil Transport Co	530.5	69.4	30.9	San Pedro, Calif.	London, England	Fuel oil	16,507	13,534	9,614
Benvannoch	3	7.35	3	10.15	3	19.55	3	21.40	British	Columbia Pacific Co	401.0	52.1	29.0	Astoria, Oreg	Leith, Scotland	General	7,994	6,583	4,763
Horace Luckenbach	3	11.25	3	12.04	3	19.50	3	19.50	American	Luckenbach Line	445.0	58.0	26.0	Portland, Oreg	Boston, Mass.	Lumber, general	7,731	8,699	6,363
King Robert	3	11.30	3	12.42	3	20.55	3	22.10	British	Dodd, Thomson & Co	400.0	53.0	25.6	Iquique, Chile	Alexandria, Egypt	Nitrates	8,700	6,052	4,212
Svealand[16]	3	21.30	4	6.06	4	15.30	4	15.30	Swedish	Axel Brostrom & Son.	551.10	72.2	33.6	Cruz Grande, Chile	Baltimore, Md	Iron ore	20,000	15,425	4,420
Cleveland[17]			4	7.28	5	15.15	6	6.00	American	U. S. Navy	292.0	44.0	16.4	Balboa, C. Z.	Balboa, C. Z.				
Manchuria	3	17.45	4	8.06	4	17.45	4	18.17	American	Panama-Pacific Line	600.0	65.3	29.6	San Francisco, Cal.	New York, N. Y.	General	6,195	17,044	11,488
Osiris[16]	3	20.45	4	8.38	4	17.40	4	20.45	German	German Kosmos Line	376.12	51.76	24.6	San Francisco, Cal	Hamburg, Germany	General	5,931	5,788	4,023
E. M. Clark[1]	3	14.45	4	9.13	4	19.40	5	4.15	American	Standard Oil Co. of N.J.	500.4	68.22	29.6	San Pedro, Calif.	Montreal, Quebec	Crude oil	15,917	11,063	8,033
Inverleith	3	21.00	4	9.41	4	19.06	5	0.20	British	British-Mexican Pet. Co.	412.6	55.8	29.0	Long Beach, Calif.	Southampton, Eng.	Fuel oil	8,589	7,169	4,495
Swiftsure[1]	4	11.04	4	12.15	4	20.00	4	20.00	American	C.D. Mallory & Co., Inc.	464.65	60.2	27.0	San Pedro, Calif.	Fall River, Mass.	Crude oil	10,898	8,473	6,017
Pacific Trader[16]	4	8.50	4	13.15	4	20.24	4	20.25	British	Furness, Withy & Co.	420.0	58.0	26.0	Vancouver, B. C.	Glasgow, Scotland	General	7,966	7,892	5,858
Caledonier	4	19.00	5	6.19	5	15.40	5	18.15	Belgian	Canadian-Amer. S.S. Co	400.0	52.4	28.1	Vancouver, B. C.	Philadelphia, Pa.	Lumber, paper	7,000	5,704	3,986
Swan[18]			5	6.30	5	16.50			American	U. S. Navy				Balboa, C. Z.	Cristobal, C. Z.				
Chile[16]	4	20.15	5	7.22	5	16.50	5	16.50	Danish	East Asiatic Co	425.3	55.2	28.0	Gray's H'br, Wash.	Copenhagen, Den.	General	9,484	7,382	5,663
Sigdal	4	22.30	5	8.07	5	17.25	6	6.18	Norwegian	Colombian Transp. Co	210.0	33.0	15.11	Buenaventura, Col.	Cristobal, C. Z.	General	1,200	1,063	685
Hawaiian	5	9.40	5	10.20	5	17.30	5	17.30	American	Amer.-Hawaiian Line	404.6	53.09	24.0	Seattle, Wash.	Boston, Mass.	General	4,826	6,766	4,809
James McGee[1]	5	9.54	5	11.10	5	20.35	5	20.35	American	Standard Oil Co. of N.J.	499.1	62.2	29.6	Lobitos, Peru	Charleston, S. C.	Crude oil	17,000	10,964	7,999
Takaoka Maru	5	9.10	5	15.10	5	22.30	6	10.50	Japanese	Nippon Yusen Kaisha	445.0	58.0	25.6	Yokohama, Japan.	Boston, Mass.	General	9,939	7,989	5,856
Niobe[1]	5	18.05	6	6.15	6	13.20	6	14.18	(21)	Standard Oil Co. of N.J.	476.9	62.3	25.6	San Francisco, Cal.	Land's End, Eng.[20]	Gasoline	9,180	8,914	6,684
Byron D. Benson[1]	5	14.30	6	7.02	6	15.38	6	15.38	American	Tide Water Oil Co	465.4	60.2	28.6	Los Angeles, Calif.	New York, N. Y.	Crude oil	12,100	8,546	5,870
Canadian Pioneer	5	15.20	6	8.19	6	16.05	6	16.05	British	Can. Gov. Mer. Mar	400.0	52.0	24.6	Vancouver, B. C.	Antwerp, Belgium	General, lumber	6,967	5,877	4,070
Arizonan	5	17.10	6	8.38	6	16.45	6	16.45	American	Amer.-Hawaiian Line	470.0	57.0	26.3	Seattle, Wash	Baltimore, Md	General, lumber	8,508	9,141	6,684
Felix Taussig	5	17.45	6	9.11	6	17.15	6	17.15	American	Mystic S. S. Co	395.0	55.0	25.6	Los Angeles, Calif.	Providence, R. I.	General, lumber	6,100	7,056	4,964

[1] Tanker. [16] Motor ship. [17] Cruiser. [18] Navy tug. [19] Nitrate and sheepskins. [20] For orders. [21] American-Inter Allied.

Betterton [1]	6	6.43	6	9.52	6	18.28	6	20.55	American	Associated Oil Co.	431.0	59.2	28.04	San Francisco, Cal.	New York, N. Y.	Gas oil	11,000	7,863	5,104
Chilcop	5	19.07	6	11.00	6	19.25	7	20.50	British	Chile S. S. Co. of N. Y.	410.0	54.0	23.10	Iquique, Chile	Savannah, Ga.	Copper, nitrate	8,000	6,634	5,008
Ruahine	5	22.15	6	11.15	6	18.35	6	18.35	British	N. Z. Shipping Co.	480.6	60.3	27.0	Wellington, N. Z.	London, England	Frozen, general	4,147	11,292	8,266
Drechtdijk	6	Noon	6	12.53	6	20.15	7	1.10	Dutch	Holland-American Line.	485.0	62.0	27.0	Victoria, B. C.	Rotterdam, Holl.	General	8,020	10,793	7,619
Pacific Pine	6	21.00	7	6.10	7	14.50	7	14.50	American	Ocean Transport Co.	410.5	54.3	24.0	Portland, Oreg.	New York, N. Y.	Lumber	7,080	6,583	4,929
Hahira [1]	6	21.20	7	7.09	7	16.05	7	16.05	American	Atlantic Refining Co.	435.6	56.2	26.9	San Pedro, Calif.	Philadelphia, Pa.	Fuel oil	10,400	7,427	5,187
Rochester [1]	7	6.10	7	8.20	7	16.52	7	16.52	American	Vacuum Oil Co.	435.6	56.2	27.6	San Pedro, Calif.	Philadelphia, Pa.	Fuel oil	10,155	7,393	5,108
Orinoco	7	9.00	7	9.36	7	17.15	7	17.15	American	Quaker Line	376.4	52.3	23.0	Portland, Oreg.	Wilmington, N. C.	Lumber	5,556	5,455	3,902
Chiman [22]	6	18.20	7	9.39	7	18.10	8	9.40	Panaman	National Navigation Co	116.0	21.1	9.8	Buenaventura, Col.	Cristobal, C. Z.	Coffee, gold	219	211	124
Cities Service Petrol [1]	6	21.45	7	13.15	7	21.50	7	21.50	American	Cities Service Co.	468.3	62.7	30.0	Los Angeles, Calif.	Boston, Mass.	Crude & fuel oil	12,000	9,802	6,961

[1] Tanker. [22] Motor ship. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
July 30	Smaragd	United Fruit Co.	Mobile, Ala.
August 1	San Jose	United Fruit Co.	New York via wayports.
August 1	Pastores	United Fruit Co.	Port Limon, Costa Rica.
August 1	Heredia	United Fruit Co.	New Orleans via Habana.
August 3	Ulua	United Fruit Co.	New York via Habana.
August 3	Munorway	Munson S. S. Line	Maracaibo, Venezuela.
August 4	Linda S. [23]	Surgeon Brothers	Colon, R. P.
August 4	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
August 4	Heredia	United Fruit Co.	Bocas del Toro, R. P.
August 4	Turrialba	United Fruit Co.	New Orleans via Habana.
August 4	Bayano	Elders & Fyffes Line	Avonmouth, Eng., via wayports.
August 4	Carare	Elders & Fyffes Line	Avonmouth, Eng., via wayports.
August 4	Sixaola	United Fruit Co.	Cartagena, Colomboa.
August 4	Carrillo	United Fruit Co.	New York via Kingston.
August 5	Virginia	Standard Fruit S. S. Co.	New Orleans, La.
August 6	Galicia	Hamburg-American Line	Puerto Barrios, Guatemala.
August 6	Virginia	Standard Fruit S. S. Co.	San Blas, R. P.
August 7	Esparta	United Fruit Co.	New York via wayports.
August 7	Carare	Elders & Fyffes Line	Port Limon, Costa Rica.

* DEPARTURES.

Date.	Vessel.	Line.	For—
August 1	Puerto Rico	French Line	St. Nazaire via wayports.
August 1	Heredia	United Fruit Co.	Bocas del Toro, R. P.
August 1	Pastores	United Fruit Co.	New York via Habana.
August 1	San Jose	United Fruit Co.	New York, N. Y.
August 1	Smaragd	United Fruit Co.	Mobile, Ala.
August 2	Fella	Navigazione Libera-Triestina	Gibraltar and wayports.
August 3	Munorway	Munson S. S. Line	Bluefields, Nicaragua.
August 4	Heredia	United Fruit Co.	New Orleans via Habana.
August 4	Carare	Elders & Fyffes Line	Port Limon, Costa Rica.
August 4	Ulua	United Fruit Co.	Port Limon, Costa Rica.
August 4	Linda S. [23]	Surgeon Brothers	Bluefields, Nicaragua.
August 5	Bayano	Elders & Fyffes Line	Santa Marta, Colombia.
August 5	Carrillo	United Fruit Co.	Colombian ports.
August 5	Sixaola	United Fruit Co.	New York via Kingston.
August 5	Turrialba	United Fruit Co.	New Orleans and wayports.
August 6	Virginia	Standard Fruit S. S. Co.	San Blas, R. P.
August 7	Carare	Elders & Fyffes Line	Kingston, Jamaica.
August 7	Virginia	Standard Fruit S. S. Co.	New Orleans, La.
August 7	Galicia	Hamburg-American Line	Cartegana, Colombia.

[23] Motor schooner.

PORT OF BALBOA.

August 1	Agnes E. [24]	Pacific Fruit Co.	Bayano River, R. P.	August 1	Agnes E. [24]	Pacific Fruit Co.	Panama Bay, R. P.
August 1	Niels R. Finsen	Columbus Line	Guayaquil, Ecuador.	August 3	Niels R. Finsen	Columbus Line	Yavarro, Mexico.
August 4	Lanza	Cia. Ballenero Tonsberg	Manta.				

[24] Motor schooner.

* Other than ships passing through the Canal.

Tanker Traffic Through the Panama Canal in July, 1926.

During the month of July, 114 tank ships transited the Canal, with an aggregate net tonnage, Panama Canal measurement, of 658,145, on which tolls of $571,070.80 were collected. In point of net tonnage, tanker traffic for the past month showed an increase of approximately 35.4 per cent over the same traffic for the corresponding month a year ago, while cargo tonnage showed an increase of 27.6 per cent over the cargo tonnage of July, 1925.

Tank ships comprised 25 per cent of the total commercial transits of the Canal during the month; made up approximately 30.4 per cent of the total Panama Canal net tonnage; were the source of 28.8 per cent of the total tolls collected; and carried approximately 27.3 per cent of the total cargo in transit through the Canal.

The number, aggregate tonnage, tolls, and cargo of tank ships transiting the Canal during the month of July, 1926, segregated by direction of transit and nationality of vessels, are shown in the following tabulation, with comparative totals for the two preceding months and for July, 1925:

Nationality.	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
Belgian	1	4,976	$3,582.72	.....
British	12	69,118	53,357.44	[1] 14,233
Danzig	2	11,857	8,537.04	.....
French	1	4,427	3,187.44	.....
Norwegian	3	15,303	11,018.16	.....
United States	42	242,629	174,850.50	.....
Totals, July, 1926	61	348,310	254,533.30	14,233
Totals, June, 1926	49	276,322	200,389.82	7,203
Totals, May, 1926	59	309,060	257,213.08	16,054
Totals, July, 1925	41	234,194	173,299.44	9,920
Pacific to Atlantic.				
British	15	84,532	89,445.00	156,494
Danzig	1	6,338	6,545.00	11,088
Peruvian	1	1,696	1,843.75	3,005
United States	36	217,269	218,703.75	412,832
Totals, July, 1926	53	309,835	316,537.50	583,419
Totals, June, 1926	52	308,768	318,781.50	586,498
Totals, May, 1926	59	348,567	348,868.43	657,620
Totals, July, 1925	46	253,163	266,600.82	458,487

[1] Cargo of creosote.

Of the total tanker traffic shown above, the following is a summary of the vessels giving Los Angeles as their port of origin or destination, together with the totals for the two preceding months:

	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
To Los Angeles.				
July, 1926	52	292,407	$210,882.60	..
June, 1926	41	231,187	166,536.78	..
May, 1926	50	305,865	220,605.15	..
From Los Angeles.				
July, 1926	41	241,772	$246,721.25	456,457
June, 1926	44	265,698	273,946.50	500,651
May, 1926	47	279,109	280,742.50	535,980

Notaries Public in the Canal Zone.

The following is a list of the notaries public commissioned in the Canal Zone as of August 1, 1926. The list gives, by towns, the name, where stationed, and the date of expiration of commission:

ANCON.

Bowen, Vollie S., Land Office, February 27, 1927.
Boyd, Oscar S., Municipal Division, July 30, 1928.
French, A. W., Ancon Hospital, May 14, 1929.
Hughes, P. L., District Court, April 14, 1929.
Johnston, A., Hotel Tivoli, January 23, 1928.
McGuigan, J. J., Assistant District Attorney, August 31, 1926.
Ohlson, Elmer F., Ancon Hospital, December 3, 1927.
Shaeffer, L. E., Office of District Attorney, April 6, 1929.
Sheibley, F. H., District Court, October 27, 1926.

BALBOA.

Dryden, G. A., Balboa Storehouse, October 10, 1926.
Kalar, J. D., Port Captain's Office, April 13, 1929.
Lefever, John E., Port Captain's Office, February 28, 1928.
Prager, J. F., Balboa Storehouse, December 13, 1926.
Smith, Walter R., Balboa Storehouse, September 4, 1928.
Stillwell, J. L., Fort Amador, April 16, 1928.

BALBOA HEIGHTS.

Attaway, E. F., Administration Building, room 343, October 28, 1927.
Boggs, W. B., Administration Building, room 262, August 4, 1928.
Buehler, G. H., Administration Building, room 201, August 17, 1928.
Fenton, J. A., Administration Building, room 201, November 15, 1926.
Illwitzer, P. G., Administration Building, room 270, October 12, 1926.
McNamara, J. W., Administration Building, room 301, October 3, 1928.
Schecker, C. A., Administration Building, room 244, January 19, 1927.
Sims, Walter H., Quarry Heights, December 1, 1927.
Taylor, R. G., Administration Building, room 318, April 30, 1927.
Ungar, J., Administration Building, room 301, February 2, 1929.
Wang, Frank H., Administration Building, room 303, April 29, 1929.

COROZAL.

Johnson, Mrs. Anna O., Panama Ordnance Depot, February 26, 1927.
Russell, Clifford V., Corozal Hospital, April 29, 1927.

CRISTOBAL.

Atwood, H. E., Commissary Division, April 8, 1927.
Campbell, J. S., District Court, January 28, 1929.
Clarke, V. J., Commissary Division, January 14, 1929.
Concklin, A. W., Commissary Division, April 27, 1929.
Cotton, Charles, Coaling Plant; March 20, 1929.
Daly, E. J., United Fruit Company, May 26, 1929.
Ellis, Edward E., Coaling Plant, May 20, 1927.
Myers, W. F., Chase National Bank, September 29, 1928.
Flood, Arthur, Customs Office, November 15, 1928.
Hargy, F. F., Port Captain's Office, May 28, 1927.
MacSparren, E. S., Receiving and Forwarding Agency, December 1, 1927.
Scarborough, W. W., Clubhouse, January 21, 1927

GATUN.

Ford, Stanley R., Assistant District Quartermaster, August 19, 1926.

MOUNT HOPE.

Latimer, J. G., Cristobal Storehouse, April 30, 1927.

PARAISO.

Holzapfel, A. F., Dredging Division, August 10, 1929.

PEDRO MIGUEL.

Boyd, A. S., Municipal Division, March 29, 1927.
Cauthers, R. A., Municipal Division, October 19, 1926.
Norris, R. N., Municipal Division, June 30, 1927.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Two Weeks Ending August 7, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Bokuyo Maru	Nippon Yusen Kaisha	July 25	July 26	367	
Utacarbon	Union Oil Co	July 26	July 27	10,675	
Atlantic Sun	Standard Oil Co., of N. J.	July 28	July 29	1,795	
Amersfoort	Royal Neth. W. I. Mail	July 29	July 29	129	
Santa Teresa	Grace Line	July 29	July 29	1	1
City of San Francisco	Panama Mail S. S. Co	July 29	July 29		1
Shunko Maru	Osaka Shosen Kaisha	July 29	July 29	60	
Montebello	Union Oil Co	July 30	July 31	11,550	3
Royal Arrow	General Petroleum Co	July 31	August 1	750	
Cattaro	Hamburg-American Line	July 31			1,421
Agnes E	Pacific Fruit Co	August 1	August 1	20	
Santa Elisa	Grace Line	August 1	August 2	1	
Kenowis	U. S. Government	August 2		310	1
St. Mihiel	U. S. Government	August 4	August 4	141	14
Canada	Johnson Line	August 4	August 4	466	
Takaoka Maru	Nippon Yusen Kaisha	August 5	August 5	152	
Planet	Hamburg-American Line	August 5		1,421	
Saint Jean	French Line	August 6	August 6	172	
Salvador	Pacific Steam Nav. Co	August 7	August 7		1
Cid	Pacific Steam Nav. Co	August 7	August 8	1-4	

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending August 7, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Puerto Rico	French Line		August 1.		634
Smaragd	United Fruit Co.		August 1.		501
Saint Joseph	French Line		August 1		38
Brasilli	Hamburg-American Line		August 1		208
Heredia	United Fruit Co.	August 1	August 1.	721	81
Pastores	United Fruit Co.	August 1	August 1.	5	12
San Jose	United Fruit Co.	August 1	August 1.	35	72
Royal Arrow	Standard Transport Co.	August 1	August 2.	4,196	(2)
Lagarto	Pacific Steam Nav. Co.	August 1	August 3.	143	156
Santa Elisa	Grace Line	August 2	August 2.	3	(2)
Urubamba	Peruvian Line		August 3.		598
Ulua	United Fruit Co.	August 3	August 4.	203	3
Brielle	Royal Neth. W. I. Mail	August 3	August 4.	153	10
Canada	Johnson S. S. Line	August 3	August 4.	507	(2)
Salvador	Pacific Steam Nav. Co.	August 3	August 7.	536	1,168
Linda S.	Surgeon Brothers	August 4	August 4.	(1)	52
Heredia	United Fruit Co.	August 4	August 4.	25	10½
Planet	Hamburg-American Line	August 4	August 5.	181	80
Moerdyk	Holland-American Line	August 4	August 5.	3	227
Sixaola	United Fruit Co.	August 4	August 5.	¼	278
Carrillo	United Fruit Co.	August 4	August 5.	205	882
Turrialba	United Fruit Co.	August 4.	August 5.	761	(2)
Saint Jean	French Line	August 4.	August 6.	284	28
Cristobal	Panama Railroad S. S. Line.	August 4		3,982	
Virginia	Standard Fruit S. S. Co.	August 5.	August 6.	511	8
Takaoka Maru	Nippon Yusen Kaisha	August 5	August 6.	207	(2)
Sigdal	Colombian Transport Co.	August 5		1,200	
Galicia	Hamburg-American Line	August 6	August 7	4	25
Drechtdyk	Holland-American Line	August 6	August 7.	(1)	33
Indiana	French Line	August 6	August 7.	235	31
Virginia	Standard Fruit S. S. Co.	August 6	August 7.	(1)	73
Chiman	National Nav. Co.	August 6		219	
Esparta	United Fruit Co.	August 7	August 7.	75	367
Saint Andre	French Line	August 5	August 7	167	251

[1] No cargo discharged. [2] No cargo laded.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective August 5, 1926:

Commodities.	Unit	Price.
Brass, bar, average	Lb.	$0.29
Brass, sheet, average	Lb	.41
Bronze, Tobin, average	Lb.	.26
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.21
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.48
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.675
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal	.15
Oil, marine engine	Gal	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.15
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.14
Grease, gear, chain and wire rope, lubricating	Lb.	08
Grease, yellow, cup, No. 3	Lb.	09
Grease, yellow, cup, No. 5	Lb.	09
Soda, ash	Lb.	03
Waste, cotton, colored	Lb.	20
Waste, cotton, white	Lb.	.24

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

THE PANAMA CANAL RECORD

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Volume XX. Balboa Heights, C. Z., August 18, 1926. No. 2.

Completion of Twelve Years of Canal Operation.

The Panama Canal completed 12 years of operation at the close of business on August 14, 1926, having been opened to commerce on August 15, 1914. During the 12 years of operation, 35,560 commercial vessels have transited the Canal on which tolls aggregating $145,043,734.55 have been collected. Approximately 70 per cent of the total transits, and 76 per cent of the total tolls collection have occurred during the past 6 years of operation.

Traffic During the First 15 Days of August.

During the first 15 days of August, 221 commercial vessels and 3 small launches transited the Canal. Tolls on the commercial vessels aggregated $999,391.08, and on the launches $11.82, making a total tolls collection of $999,402.90, or a daily average of $66,626.86 on all traffic.

The daily average number of transits was 14.73 and the average amount of tolls paid by each of the commercial transits was $4,522.13.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 7½ months of the present calendar year, together with the daily averages of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
January	479	$2,103,368.29	15.45	$67,850.59
February	424	1,835,226.47	15.14	65,543.80
March	506	2,206,212.20	16.32	71,168.13
April	425	1,917,457.11	14.16	63,911.90
May	470	2,056,965.55	15.16	66,353.72
June	419	1,852,670.66	13.96	61,755.68
July	456	1,980,719.67	14.71	63,894.18
August (first 15 days)	221	999,391.08	14.73	66,626.07
Totals	3,400	14,952,011.03	14.97	65,867.89

Additional Vessels for London-New Zealand Service via Panama Canal.

The New Zealand Shipping Company has announced that its service between London and New Zealand via the Panama Canal will be augmented by two passenger motor vessels of 20,000 tons each.

Shaw, Savill & Albion Co., London, is now having constructed for similar service to that of the two New Zealand Shipping Company's vessels, two passenger and freight motor liners of 21,000 tons each.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, August 14, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Sigdal	5	17 25	8	6 18	8	14 01	8	23 43	Norwegian	Colombian Transp. Co.	210.0	33 0	14.0	Cristobal, C. Z.	Buenaventura, Col.	General	903	1,063	685
Burgondier	7	17 00	8	6 37	8	13 41	8	11 59	Belgian	Lloyd Royal Belge	400.1	52 3	19.5	Norfolk, Va	Portland, Oreg	Ballast		5,807	4,064
Steel Worker	7	22 47	8	7 33	8	14 53	8	22 53	American	U. S. Steel Products Co.	424 2	56 2	26.0	New York, N. Y.	Singapore, M'y Pen.	General	8,076	7,611	5,497
Charles Pratt [1]	8	11 35	8	7 40	8	15 49	8	16 50	American	Standard Oil Co.	500.0	68.0	22 0	New York, N. Y.	San Pedro, Calif	Ballast		10,313	7,492
Munrio	8	7 05	8	8 30	8	15 39	8	16 30	American	Munson S. S. Line	333.6	48 2	18.0	Baltimore, Md	Seattle, Wash	General	3,096	4,165	3,066
Chiman [2]	7	18 10	8	9 40	8	17 11	8	19 39	Panaman	National Nav. Co.	116.0	21 1	8 9	Cristobal, C. Z	Buenaventura, Col	Ballast		211	124
Bowden	6	8 10	8	9 55	8	17 37	8	17 37	Norwegian	United Fruit Co	235 0	33 7	13 0	Mobile, Ala.	Gatun, C. Z. [4]	(5)	191	1,276	711
Sun [1]	8	11 55	8	12 05	8	18 47	9	41 30	American	Sun Oil Co	382 0	49 9	17 0	Tampa, Fla	San Pedro, Calif	Ballast		5,020	3,324
E. J. Sadler [1]	8	13 48	8	13 50	8	20 16	9	2 20	American	Standard Oil Co	499 2	68 1	20.0	Montreal, Canada	San Pedro, Calif	Ballast		11,020	7,988
Noordendijk	8	9 05	9	6 03	9	12 5	9	17 49	Dutch	Holland-American Line	470 0	58.0	19 11	Rotterdam, Holl.	Vancouver, B. C.	General	1,379	8,888	6,613
A. L. Kent	8	15 19	9	7 33	9	15 09	9	16 20	American	U. S. Steel Products Co.	394 1	55 1	27 6	New York, N. Y.	Seattle, Wash	Steel, general	8,255	7,047	5,030
Missourian [2]	9	3 00	9	8 48	9	15 54	9	16 57	American	Amer.-Hawaiian Line	445.1	59 8	22 0	Norfolk, Va	Tacoma, Wash	General	5,722	8,567	6,020
Shreveport [1]	9	5 45	9	9 55	9	17 20	9	18 27	American	Cities Serv. Transp. Co	435 0	56 0	18.0	Baltimore, Md	San Pedro, Calif	Ballast		7,411	5,109
Geo. W. Barnes [2]	9	8 30	9	10 45	9	18 03	12	19 18	American	Huasteca Pet. Co.	416 8	56 1	18 2	Norfolk, Va	Los Angeles, Calif.	Ballast		6,763	4,675
Mineola	9	5 15	9	12 15	9	18 53	9	20 10	American	N. O. & S. A. S. S. Line	298 6	40 0	15.9	New Orleans, La.	Talcahuano, Chile	General	1,270	2,835	1,805
Chilore	7	16 55	10	6 00	10	15 09	10	16 16	American	Ore S. S. Corp.	549.0	72 0	21.0	Norfolk, Va	Cruz Grande, Chile	Ballast		14,538	9,348
La Paz [1]	8	7 10	10	7 15	10	15 30	10	22 40	British	Pacific Steam Nav. Co	404.6	54 22	17.4	Hull, England	Corral, Chile	General	2,513	7,216	4,912
Walter Jennings [1]	9	16 35	10	8 25	10	16 18	10	18.14	American	Standard Oil Co	499 2	68 0	19 0	New York, N. Y.	San Pedro, Calif	Ballast		11,037	7,995
R. W. Stewart [1]	9	17 00	10	10 05	10	16 57	10	18 14	American	Pan-Amer. Pet. & Tr. Co.	467 6	62 7	19 0	New Orleans, La.	San Pedro, Calif	Ballast		9,636	6,874
Belfast Maru	9	23 58	10	10 52	10	18 01	10	19 12	Japanese	Roosevelt Line	405 0	53 0	22 0	Savannah, Ga	Yokohama, Japan	Cotton, rosin, gen.	3,982	7,043	5,077
Ecuador	9	20 10	10	13 15	10	19 22	11	21 15	American	Panama Mail S. S. Co.	380 6	48 7	23 0	New York, N. Y.	San Francisco, Cal.	General	2,890	5,926	4,178
J. L. Luckenbach	10	18 50	11	6 10	11	13 28	11	14 30	American	Luckenbach Line	448 9	60 2	26 2	Boston, Mass	Seattle, Wash	General	7,054	9,294	6,861
Oak Branch	11	8 45	11	8 55	11	15 25	11	17 10	British	F. & W. Ritson	386.0	49 9	18 0	Liverpool, England	Corral, Chile	General	2,300	5,209	4,035
Garfield	10	23 15	11	9 48	11	16 45	11	21.15	American	Grace Line	299 4	45 0	19.3	New York, N. Y.	Pto. Chicama, Peru	General	2,002	3,256	2,010
Hague Maru	11	9 55	11	11 09	11	17 31	11	18 31	Japanese	Osaka Shosen Kaisha	407.0	59 8	23 0	New York, N. Y.	Shanghai, China	General	5,081	6,533	4,772
Kaydee [1]			11		11	11 37			American	F. Kariger				Cristobal, C. Z	Gatun, C. Z.	Ballast		6	6
Santa Ana	11	13 55	12	6.10	12	13.03	12	16.45	American	Grace Line	360 2	51 6	23 2	New York, N. Y.	Talcahuano, Chile	General	2,700	5,776	4,081
Oroya	11	18 35	12	6 10	12	14 26	12	15 20	British	Pacific Steam Nav. Co.	525 0	62 0	24.3	Liverpool England	Valparaiso, Chile	General	2,913	12,257	9,064
City of Nome [2]	7 29	1 15	12	7 10	12	19 45	14	17 10	American	W. H. Moore	243 0	47 0	24 0	Oslo, Norway	Los Angeles, Calif.	Lumber	2,000	2,158	1,389
F. H. Wickett [1]	8-11	18 10	12	7.40	12	14 55	12	16 00	American	Pan-Amer. Pet. & Tr. Co.	467.6	62 7	20 0	New York, N. Y.	San Luis, Calif	Ballast		9,666	7,034
Canadian Explorer	12	0 20	12	8 30	12	15 28	12	16 45	British	Can. Gov. Mer. Mar.	400 0	52.0	18 0	Montreal, Canada	Auckland, N. Z.	Autos, general	1,731	5,853	4,058
Edgar Bowling	12	2 10	12	8.45	12	16.13	12	17.10	American	Garland S. S. Line	410.5	54.3	18.0	New York, N. Y.	Los Angeles, Calif.	General	3,200	6,567	4,909
Canadian Constructor	12	6 45	12	9 50	12	16 17	13	11 29	British	Can. Gov. Mer. Mar.	430.0	56 0	19 0	Montreal, Canada	Adelaide, Australia	General	3,121	7,680	5,494
Commercial Spirit	12	8 12	12	10.45	12	18 13	12	19 18	American	Moore & McCorm'k Line	380 4	53.0	24 6	Norfolk, Va	Cavite, P. I.	Coal, Navy	7,022	5,659	4,138

[1] Tanker. [2] Motor ship. [3] Launch. [4] And return to Mobile, Ala. [5] 7,654 stems of bananas.

Oxelosund[6]	12	10.25	12	13.20	12	10.26	13	4.51	Swedish	Traffic Association	394.0	53.6	20.0	Rotterdam, Holl.	San Francisco, Cal.	Coke	4,493	6,061	4,029
S. M. Spaulding	12	14.50	13	6.10	13	13.13	13	14.20	American	Pan-Amer.Pet.& Tr.Co.	435.0	56.0	21.0	New York, N. Y.	San Pedro, Calif.	Ballast	.....	7,331	5,111
Albionstar	12	15.15	13	6.25	13	13.49	13	14.50	British	Blue Star Line	450.0	58.5	28.0	Liverpool, England	Shanghai, China	Sugar	6,300	8,317	5,531
President Garfield	13	6.40	13	7.35	13	14.31	14	00.20	American	Dollar S. S. Line	502.0	62.2	28.0	New York, N. Y.	Kobe, Japan	General	4,020	12,057	8,509
Rochester[7]	11	14.55	13	8.35	13	16.02	.....	.....	American	U. S. Navy	384.0	64.0	27.0	Port Limon, C. R.	Balboa, C. Z.	Ballast	.....	.....	.....
Iowan	12	13.20	13	9.40	13	16.39	13	17.35	American	Amer.-Hawaiian Line	407.7	53.7	20.8	New York, N. Y.	Portland, Oreg.	General	3,913	7,091	5,002
Elisha Walker[1]	13	6.10	13	10.45	13	18.02	13	19.04	American	Pan-Amer.Pet.& Tr.Co.	429.3	59.0	22.0	New York, N. Y.	San Pedro, Calif.	Ballast	.....	7,978	5,971
Acardo[1]	13	6.23	13	12.00	13	19.00	14	1.04	British	Anglo-Saxon Pet. Co.	412.0	53.4	20.0	Hull, England	San Pedro, Calif.	Ballast	.....	6,189	4,235
K. I. Luckenbach	13	13.40	13	13.45	13	20.23	13	21.16	American	Luckenbach Line	441.0	56.0	23.9	New Orleans, La.	Los Angeles, Calif.	General	4,905	8,552	6,236
Kermit	14	6.55	14	8.00	14	15.34	14	21.26	American	United-American Line.	472.0	60.0	22.0	Hamburg,Germany	Los Angeles, Calif.	General	7,145	9,032	6,655
Dean Emery[1]	14	8.47	14	9.00	14	15.51	14	16.59	American	Pan-Amer.Pet.& Tr.Co.	429.3	59.2	20.0	Boston, Mass.	San Pedro, Calif.	Ballast	.....	7,709	5,517
Remuera	14	9.35	14	10.00	14	16.44	14	23.36	British	N. Z. Shipping Co	485.0	62.3	26.0	London, England	Wellington, N. Z.	General	8,682	11,717	8,751
West Katan	14	9.10	14	10.42	14	18.44	14	23.30	American	Calif. & East. S. S. Co.	410.5	54.3	17.0	Baltimore, Md.	Los Angeles, Calif.	General	1,740	6,573	4,916
Napoli	13	4.48	14	12.45	14	19.28	14	20.32	Italian	Italian Line	406.0	51.7	21.9	Genoa, Italy	Valparaiso, Chile	General	638	6,740	4,280

[1] Tanker. [6] Motor ship. [7] Cruiser.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Acme[1]	7	8.10	8	6.20	8	13.50	8	13.50	American	Standard Oil Co. of N. J.	435.0	56.0	26.6	San Pedro, Calif.	New York, N. Y.	Gasoline	8,567	7,165	4,926
Cid	7	16.00	8	7.23	8	15.15	8	23.14	British	Pacific Steam Nav. Co.	264.9	41.2	14.6	Callao, Peru	New York, N. Y.	([10])	650	2,746	1,626
Romsdalshorn	7	21.30	8	8.22	8	16.35	8	17.55	Norwegian	Dupont De Nemours	437.0	53.9	27.8	Antofagasta, Chile.	([9])	Nitrate	10,230	6,592	4,733
Theodore Roosevelt[8]	7	21.30	8	9.08	8	17.35	9	0.53	Norwegian	Norway-Pacific Line	425.5	55.2	28.0	San Francisco, Cal.	Oslo, Norway	Barley, fruit, gen.	8,737	7,592	5,637
Sulanierco	7	22.55	8	9.34	8	17.35	8	17.35	American	Transmarine Lines	335.6	46.0	22.0	Aberdeen, Wash	New York, N. Y.	Lumber	3,781	3,984	2,628
Alrich	8	6.05	8	9.49	8	18.50	9	10.09	German	Roland Line (A. G.)	361.7	51.4	25.2	San Antonio, Chile.	Antwerp, Belgium	General	6,544	5,029	3,581
Santa Cruz	8	6.36	8	10.55	8	18.47	9	2.00	American	Grace Line	384.0	50.2	17.7	Chanaral, Chile.	New York, N. Y.	General	1,996	5,534	3,868
George Allen	8	12.50	8	13.17	8	20.00	8	20.00	American	Garland S. S. Corp.	385.3	51.0	24.6	Aberdeen, Wash	New York, N. Y.	Lumber	6,098	6,224	4,465
Bowden	.....	.....	8	.....	8	17.37	8	17.37	Norwegian	United Fruit Co	233.0	33.0	.....	Gatun Lake, C. Z.	Mobile, Ala.	([11])	191	1,276	711
Canadian Britisher	9	7.45	9	8.47	9	16.00	11	9.00	British	Can. Gov. Mer. Mar.	400.3	52.2	17.0	Sydney, Australia	Montreal, Canada	Gen., wool, hides	813	5,906	4,141
Canadian Conqueror	9	7.25	9	9.49	9	17.35	9	19.45	British	Can. Gov. Mer. Mar	400.3	52.33	15.9	Napier, N. Z.	Montreal, Canada	General	2,567	5,954	4,139
Corinto	9	13.00	9	13.45	9	20.00	15	5.57	American	Panama Mail S. S. Co.	261.1	40.0	14.0	San Francisco, Cal.	Cristobal, C. Z.	General	762	2,353	1,549
Vittorio Veneto	9	13.40	9	14.05	9	22.30	10	10.55	Italian	Martelli Quinto	393.6	49.0	24.3	Valparaiso, Chile	Alexandria, Egypt	Nitrate	6,455	4,854	3,232
Lebore	10	1.00	10	6.04	10	15.45	10	15.45	American	Ore S. S. Corp	549.67	72.25	33.5	Cruz Grande, Chile	New York, N. Y.	Iron ore	20,000	14,325	4,635
Dunaff Head	9	16.10	10	7.18	10	16.55	10	22.05	British	Canadian Transport Co.	399.45	51.45	24.10	Vancouver, B. C.	Quebec, Canada	Lumber	5,900	5,966	4,249
Sucrosa[1]	9	16.10	10	8.07	10	17.00	10	17.00	American	Cities Service Oil Co	389.0	57.4	25.9	San Pedro, Calif.	Philadelphia, Pa.	Fuel oil	7,034	6,190	4,381
Jane Christensen	9	18.00	10	8.53	10	17.40	10	17.40	American	Sudden & Christensen	408.5	54.2	23.8	San Francisco, Cal.	New York, N. Y.	Lumber, general	7,052	6,615	4,966
Agwistone[1]	9	23.00	10	9.00	10	18.10	10	18.10	American	Inter. Shipping Corp	499.9	68.1	29.8	San Pedro, Calif.	New York, N. Y.	Crude oil	15,000	10,853	7,804
Sidney M. Hauptman	10	00.01	10	9.37	10	18.50	10	18.50	American	Munson S. S. Line	401.45	53.2	28.02	Portland, Oreg.	Philadelphia, Pa.	Lumber, copper	7,500	7,082	5,167
I. C. White[1]	10	9.15	10	10.14	10	19.18	10	19.18	American	Pan-Amer.Pet.& Tr.Co.	429.3	59.2	27.8	San Pedro, Calif.	New York, N. Y.	Fuel oil	10,600	7,925	5,840
Texan	10	10.15	10	10.50	10	20.10	10	23.38	American	Amer.-Hawaiian Line	471.0	57.2	26.0	Los Angeles, Calif.	Boston, Mass.	General	9,103	9,154	6,903
Tuxpanoil[1]	10	10.30	10	11.38	10	20.45	10	20.45	American	Oil Transport Co.(S.B.)	431.0	59.2	27.3	San Pedro, Calif.	Providence, R. I.	Crude oil	10,707	7,862	5,049
Robert Luckenbach	10	16.00	11	6.20	11	13.30	11	14.45	American	Luckenbach Line	445.0	58.0	25.0	Portland, Oreg.	Boston, Mass.	Lumber, general.	8,500	8,695	6,375

[1] Tanker. [8] Motor ship. [9] Delaware Breakwater. [10] Coffee, cocoa, tague. [11] 7,654 stems of bananas.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Pomona	10	18.00	11	7.02	11	14.50	11	15.00	American	Pomona S. S. Co	440.0	56.0	25.0	Everett, Wash	Portsmouth, R. I.	Lumber	8,600	8,324	6,036
El Lobo[1]	10	19.12	11	8.12	11	15.22	11	16.20	British	C. T. Bowring	385.2	51.0	24.0	La Libertad, Peru	Philadelphia, Pa	Crude oil	6,175	4,851	3,311
Canadian Skirmisher	10	18.54	11	9.22	11	16.20	11	16.20	British	Can. Gov. Mer. Mar	410.0	54.5	26.0	Vancouver, B. C	Glasgow, Scotland	General	6,750	6,174	4,323
David McKelvy[1]	11	4.15	11	10.14	11	17.40	11	17.40	American	Tide Water Oil Co	430.0	59.2	28.0	San Pedro, Calif	New York, N. Y.	Crude oil	10,766	7,629	5,325
Equatore[12]	11	8.30	11	10.55	11	19.20			Italian	Italian Line	370.0	53.0	24.0	Valparaiso, Chile	Genoa, Italy	Copper, nitrate	6,209	5,098	3,415
Cornelia Maersk	11	14.25	11	15.00	11	22.00	11	23.30	Danish	A. P. Moller	278.9	40.0	11.0	Callao, Peru	Cuba	Ballast		2,178	1,423
Ario[1]	11	21.35	12	6.17	12	13.38	12	14.45	American	Standard Transp. Co	435.6	56.2	26.6	San Francisco, Cal.	New York, N. Y.	Gas oil	9,863	7,386	5,117
Aconcagua	12	3.45	12	7.16	12	14.45	12	20.25	Chilean	Chilean Line	422.8	56.2	23.8	Valparaiso, Chile	New York, N. Y.	General	2,446½	7,758	4,705
Dochet	12	2.15	12	8.11	12	16.05	12	16.05	American	Munson S. S. Co	386.8	52.2	24.4	Victoria, B. C	Baltimore, Md	General	6,108	5,705	4,167
Sagadahoc	12	5.30	12	9.09	12	17.00	12	17.00	American	Argonaut S. S. Line	420.5	54.2	25.0	Seattle, Wash	Baltimore, Md	Lumber, general	7,700	7,340	5,342
Invergarry[1]	12	5.45	12	10.08	12	18.25	13	0.20	British	Andrew Weir & Co	412.6	55.8	29.0	San Pedro, Calif	Southampton, Eng.	Fuel oil	8,491	7,101	4,709
Colombian	12	12.02	13	6.28	13	14.35	14	1.38	American	Panama Mail S. S. Co	380.0	48.7	20.6	San Francisco, Cal.	New York, N. Y.	General	2,958	6,015	4,281
New Britian	12	16.30	13	7.12	13	15.30	13	15.30	American	Black Dia'd S. S. Corp	386.8	52.2	23.0	Seattle, Wash	Philadelphia, Pa	General, lumber	6,069	5,684	4,082
Firmore	12	21.00	13	8.01	13	16.45	13	16.45	American	Ore S. S. Corp	419.1	57.2	29.08	Cruz Grande, Chile	Baltimore, Md	Iron ore	11,400	7,847	5,185
Kent	13	7.15	13	12.13	13	18.40	13	18.40	British	N. Z. Shipping Co	460.6	62.8	20.0	Wellington, N. Z.	United Kingdom	Frozen, general	3,632	10,614	8,224
Franklin K. Lane[1]	13	8.45	14	6.12	14	13.55	14	13.55	American	Pan-Amer. Pet. & Tr. Co.	435.0	56.2	26.0	Los Angeles, Calif.	Baltimore, Md	Gasoline	9,555	7,405	5,131
Orita	13	17.00	14	7.17	14	15.00	14	17.48	British	Pacific Steam Nav. Co	485.0	58.0	27.0	Corral, Chile	Liverpool, England	General	5,584	9,936	6,561
Sirius[13]	13	8.00	14	8.13	14	15.48	16	17.50	American	U. S. Navy	401.0	54.0	16.0	Bremerton, Wash	Brooklyn, N. Y.	Navy supplies	1,367½		
Ammon	13	12.15	14	9.22	14	16.25	14	16.25	German	Ger.-Aust.-Kosmos Line	438.4	55.3	25.6	Corral, Chile	Hamburg, Germany	General, nitrate	8,607	7,334	5,221
L. A. Christensen[12]	14	2.00	14	9.57	14	17.00	14	17.00	American	Sou. Alberta Lum. Co	397.7	53.3	24.6	Vancouver, B. C	New York, N. Y.	Lumber, general	6,000	6,118	4,245
Minnesotan	14	4.50	14	10.11	14	17.30	14	17.30	American	Amer.-Hawaiian Line	407.75	53.7	25.6	Seattle, Wash	Boston, Mass	General	6,941	7,150	4,899
Seekonk[12]	14	7.15	14	10.45	14	18.10	14	18.10	American	Wm. Cramp & Son	390.0	54.0	24.8	San Francisco, Cal.	Leith, Scotland	Barley	6,777	6,162	4,417
Harmattan	14	12.00	14	12.45	14	20.30	14	22.00	British	J. & C. Harrison	375.2	51.7	23.6	Vancouver, B. C	Bath, Me.	Lumber	3,250	5,026	3,404

[1] Tanker. [12] Motor ship. [13] U. S. Auxiliary. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
August 8	Cartago	United Fruit Co	New Orleans via Habana.
August 8	Ulua	United Fruit Co	Port Limon, Costa Rica.
August 9	Darian	Leyland S. S. Line	Liverpool via wayports.
August 9	Toloa	United Fruit Co	New York via Habana.
August 9	Camden	United Fruit Co	Baytown, Tex.
August 10	Stuyvesant	Royal Neth. W. I. Mail	Hamburg and wayports.

* DEPARTURES.

Date.	Vessel.	Line.	For—
August 8	Esparta	United Fruit Co	New York.
August 8	Ulua	United Fruit Co	New York via Habana.
August 8	Cartago	United Fruit Co	Bocas del Toro, R. P.
August 8	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
August 11	Camden	United Fruit Co	Baytown, Tex.
August 11	Darian	Leyland S. S. Line	New Orleans and wayports.

* Other than ships passing through the Canal.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
August 10	Agangarez	United Fruit Co	New Orleans via Habana.	August 11	Cartago	United Fruit Co	New Orleans and Habana.
August 10	Convert [14]	Ferrari	Colon, R. P.	August 11	Stuyvesant	Royal Neth. W. I. Mail	Port Limon, Costa Rica.
August 10	El Norte [15]	E. Heurtado	Colon, R. P.	August 11	Toloa	United Fruit Co	Port Limon, Costa Rica.
August 11	Cartago	United Fruit Co	Bocas del Toro, R. P.	August 11	El Norte [15]	E. Heurtado	Colon, R. P.
August 11	Santa Marta	United Fruit Co	New York via Kingston.	August 11	Convert [14]	Ferrari	Colon, R. P.
August 11	Macoris	French Line	Havre via wayports.	August 12	Santa Marta	United Fruit Co	Colombian ports.
August 12	Carrillo	United Fruit Co	Colombian ports.	August 12	Carrillo	United Fruit Co	New York via Kingston.
August 12	Favorita	Standard Fruit S. S. Co	New Orleans, La.	August 12	Abangarez	United Fruit Co	New Orleans and wayports.
August 12	El Panquiaco	Panamanian Government	Colon, R. P.	August 12	Favorita	Standard Fruit S. S. Co	San Blas, R. P.
August 13	U. D. Vinton [14]	G. &. N. Bryan	Colon, R. P.	August 12	El Panquiaco	Panamanian Government	Colon, R. P.
August 13	Stuyvesant	Royal Neth. W. I. Mail	Port Limon, Costa Rica.	August 13	U. D. Vinton [14]	G. &. N. Bryan	Bluefields, Nicaragua.
August 14	Favorita	Standard Fruit S. S. Co	San Blas, R. P.	August 13	Macoris	French Line	Havre via wayports.
				August 14	Favorita	Standard Fruit S. S. Co	New Orleans, La.
				August 14	Stuyvesant	Royal Neth. W. I. Mail	Amsterdam and wayports.

[14] Schooner. [15] Motor schooner.

PORT OF BALBOA.

August 8	Coalinga	Union Oil Co. of Calif	Los Angeles, Calif.	August 9	Coalinga	Union Oil Co. of Calif	Los Angeles, Calif.
August 11	Agnes E. [16]	Pacific Fruit Co	Panama Bay, R. P.	August 11	Agnes E [16]	Pacific Fruit Co	Panama Bay, R. P.
				August 11	Cattaro	Hamburg-American Line	Buenaventura, Colombia.
				August 14	Lanza	Cia. Ballenera Tansberg	La Libertad, Peru.

[16] Commercial launch.

* Other than ships passing through the Canal.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Atlantic to the Pacific, July, 1926.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.							Asia.					Australasia.					
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America.	West coast of North America.[1]	Balboa, C. Z.[2]	Hawaii.	Total, North America.	Japan.	China.	Philippines.	Far East.[1]	Total, Asia.	Australia.	New Zealand.	Australasia.[1]	Total, Australasia.	Grand totals.	Per cent of total cargo.
North America:																								
United States—																								
North Atlantic ports	13,439	3,517	2,800	1,418	14,367	35,541	192,400	526	1,632	1,806	...	462	196,826	25,349	9,988	6,906	36,064	78,307	49,060	4,070	...	53,130	363,804	53.0
South Atlantic ports							5,831	...			...	...	5,831	4,290	101	...	2,300	6,691	...		...	...	12,522	1.8
Gulf ports	5,113	...	75	71	1,745	7,004	18,600	...	...	4,000	...	...	22,600	9,069	7,300	857	4,946	22,172	7,000		...	7,000	58,776	8.6
Totals, United States	18,552	3,517	2,875	1,489	16,112	42,545	216,831	526	1,632	5,806	...	462	225,257	38,708	17,389	7,763	43,310	107,170	56,060	4,070	...	60,130	435,102	63.4
Cristobal, C. Z.[2]	283	2,170		76	1,912	4,441	3,009	...	7,940	...	...	...	10,949	...	...	...	...	...	5,963	7,183	...	13,146	15,390	2.2
East coast of Canada	...	...	...	...	...	...	...	3,800	...	...	...	...	3,800	...	...	...	...	...	...	...	...	...	16,946	2.4
West Indies	99	...	...	...	25	124	524	10,300	...	...	...	...	10,824	7,395	13,825	...	...	21,220	...	...	...	...	32,168	4.7
East coast of Mexico and C. America	...	...	...	...	...	...	...	...	2,762	...	...	...	2,762	...	...	...	...	...	...	...	...	...	2,762	.4
Totals, N. America	18,934	5,687	2,875	1,565	18,049	47,110	220,364	14,626	12,334	5,806	...	462	253,592	46,103	31,214	7,763	43,310	128,390	62,023	11,253	...	73,276	502,368	73.1
Europe:																								
British Isles	2,096	395	101	268	5,806	8,666	454	3,478	...	1,115	...	...	5,047	...	...	...	...	...	...	28,834	...	28,834	42,547	6.2
Belgium	...	2,200	...	...	...	2,200	26,924	1,066	160	5,516	177	...	33,843	...	...	...	...	...	...	...	200	200	36,243	5.3
France	796	...	...	...	691	1,487	1,058	...	...	1,246	...	...	2,304	...	...	...	...	...	...	...	4,883	4,883	8,674	1.3
Germany	363	...	...	...	2,663	3,026	2,906	10	888	261	...	...	4,065	...	...	...	...	...	...	...	...	...	7,091	1.1
Holland	...	...	...	...	...	...	9,204	77	...	20	...	...	9,301	...	...	...	...	...	...	...	...	...	9,301	1.4
Italy	...	...	...	...	...	...	1,116	...	...	...	21	...	1,137	...	...	...	...	...	...	...	...	...	1,137	.2
Norway and Sweden	...	...	...	...	120	120	100	...	...	...	...	...	100	...	...	...	...	...	...	...	...	...	220	...
Spain and Portugal	47	...	...	...	252	299	...	102	...	...	...	...	102	...	...	...	...	...	...	...	...	...	401	...
Yugo Slavia	7,000	...	...	...	...	7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7,000	1.0
Europe[1]	870	...	...	48	28,478	29,396	20,604	1,495	2,187	3,792	578	...	28,656	...	...	...	...	...	...	...	...	...	58,052	8.4
Totals, Europe	11,172	2,595	101	316	38,010	52,194	62,366	6,228	3,235	11,950	776	...	84,555	...	...	...	...	...	...	28,834	5,083	33,917	170,666	24.9
E. coast of S. America	7	...	...	...	92	99	9,785	133	...	1,346	...	...	11,264	192	...	...	1,765	1,957	...	...	...	...	13,320	2.0
Grand totals	30,113	8,282	2,976	1,881	56,151	99,403	292,515	20,987	15,569	19,102	776	462	349,411	46,295	31,214	7,763	45,075	130,347	62,023	40,087	5,083	107,193	686,354	100.0
Per cent of total cargo:																								
July, 1926	4.3	1.2	4	.2	8.4	14.5	42.7	3.1	2.3	2.8	...	...	50.9	6.8	4.5	1.1	6.6	19.0	9.1	5.8	.7	15.6	...	100.0
July, 1925	4.2	.3	.1	.7	9.7	15.0	39.0	3.6	2.2	3.3	.2	.2	48.5	2.7	6.3	.7	7.7	17.4	7.6	8.4	3.1	19.1	...	100.0
July, 1924	8.3	.4	...	1.5	10.1	20.3	36.2	3.7	2.3	1.2	...	2.4	45.8	6.0	5.7	2.6	4.6	18.9	5.2	9.1	.7	15.0	...	100.0

[1] General cargo not routed so as to allow segegation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, July, 1926.

(Figures represent tons of 2,240 pounds.)

From—	North America. United States. North Atlantic ports.	South Atlantic ports.	Gulf ports.	Total, United States.	East coast of Canada.	West Indies.	East coast of Mexico.	Cristobal, C. Z.[2]	Total, North America.	Europe. British Isles.	Belgium.	Denmark.	France.	Germany.	Holland	Italy.	Spain and Portugal.	Europe.[1]	Total, Europe.	East coast of South America.	Egypt.	South Africa.	Grand totals.	Per cent of total cargo.
South America:																								
Chile	142,229		1,514	143,743					143,743	24,738	2,994		45	17,631	118			20,714	66,240		30,671		240,654	16.1
Colombia	2,030			2,030				2,702	4,732														4,732	0.3
Ecuador	195			195				307	502					214		365		19	598				1,100	0.1
Peru	21,372	15,686	3,005	40,063	35,112			1,656	76,831	12,461				395				11,002	23,858				100,689	6.7
W. coast S. America[1]	5,350			5,350		22		1,097	6,469	8,902	722							13,346	22,970				29,439	1.9
Totals, S. America	171,176	15,686	4,519	191,381	35,112	22		5,762	232,277	46,101	3,716		45	18,240	118	365		45,081	113,666		30,671		376,614	25.1
North America:																								
West coast Canada	29,446		527	29,973	6,566	2,449			38,988	11,842	700		5,077	486				28,811	46,916			7,992	93,896	6.3
W. coast C. America								2,894	2,894									3,087	3,087				5,981	0.4
W. coast of U. S.	593,142		24,393	617,535	59,352	13,059	286	15,970	706,202	132,920	8,504		1,553	18,501	4,046	181		84,992	250,697	9,000			965,899	64.4
Hawaii			453	453					453														453	
W. coast N. America[1]			748	[3]748				6	754	208								4,877	5,085				5,839	0.4
Totals, N. America	622,588		26,121	648,709	65,918	15,508	286	18,870	749,291	144,970	9,204		6,630	18,987	4,046	181		121,767	305,785	9,000		7,992	1,072,068	71.5
Asia:																								
China	921			921				62	983														983	
Japan	21			21					21														21	
Philippines	3,375		5,128	8,503					8,503														8,503	0.6
Far East[1]	9,374			9,374					9,374														9,374	0.7
Totals, Asia	13,691		5,128	18,819				62	18,881														18,881	1.3
Australasia:																								
Australia	789			789	700				1,489														1,489	0.1
New Zealand	1,280			1,280					1,280	28,841									28,841				30,121	2.0
Totals, Australasia	2,069			2,069	700				2,769	28,841									28,841				31,610	2.1
Grand totals	809,524	15,686	35,768	860,978	101,730	15,530	286	24,694	1,003,218	219,912	12,920		6,675	37,227	4,164	546		166,848	448,292	9,000	30,671	7,992	1,499,173	100.0
Per cent of total cargo:																								
July, 1926	54.0	1.0	2.4	57.4	6.8	1.0		1.7	66.9	14.7	0.9		0.4	2.5	0.3			11.1	29.9	0.6	2.1	0.5	100.0	
July, 1925	55.4	1.0	8.7	65.1	3.2			1.7	70.0	15.8	1.2	0.2	0.9	2.1	0.9		0.1	5.9	27.1	1.2	1.7		100.0	
July, 1924	63.4	2.5	3.0	68.9	3.4	0.9	3.0	0.8	77.2	11.6	0.2	0.1	0.2	0.7	0.4	0.7	0.3	6.1	20.3	0.5	2.0		100.0	

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

[3] Bananas from Gatun Lake.

Chocks and Bitts.

With reference to Supplement No. 1 to "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters," which supplement furnishes data and diagrams to explain the requirements of chocks and bitts in relation to the handling of the ships through the locks under the control of towing locomotives, and was issued under date of April 1, 1926, the Governor has ruled that all changes in vessels necessitated by Supplement No. 1 must be made by April 1, 1927, and that in the meantime the Panama Canal will assume no responsibility for damages to vessels in the locks caused by chocks and bitts not being located or constructed in accordance with the supplement.

Commercial Traffic Through the Panama Canal in July, 1926, by Trade Routes.

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	81	343,470	433,057	549,274	341,543	$366,384.13	198,409
East coast United States to west coast of South America:							
British	4	14,814	18,180	25,073	15,364	15,511.66	7,373
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	2,657
Danish	1	1,755	1,770	1,839	1,138	2,124.00	2,557
Danzig	1	5,202	5,928	8,744	5,026	4,268.16	.....
Norwegian	1	2,728	4,722	4,624	2,765	3,410.00	3,600
Swedish	2	7,486	8,917	30,676	8,762	6,420.24	.....
United States	17	61,507	74,156	105,128	61,396	59,165.89	27,362
Totals	27	97,004	118,378	183,394	98,427	95,289.95	43,549
Europe to west coast of South America:							
British	7	29,277	35,504	47,670	29,501	36,574.75	20,748
Chilean	1	1,390	1,353	1,431	817	1,623.60	363
Dutch	2	7,171	10,078	11,714	6,933	8,963.75	9,195
French	1	3,743	4,312	5,903	3,743	4,678.75	1,457
German	2	8,139	10,662	13,211	8,203	10,173.75	10,737
Italian	2	6,146	7,735	9,987	6,480	7,682.50	3,134
Norwegian	1	251	253	356	257	313.75	120
Spanish	1	3,085	3,593	5,205	3,226	3,856.25	147
Yugo Slav	1	3,447	4,188	5,168	3,304	4,308.75	7,000
Totals	18	62,649	77,678	100,645	62,464	78,175.85	52,901
Europe to west coast of United States:							
British	4	16,931	18,576	27,675	17,009	13,374.72	.....
Danzig	1	5,193	5,929	8,745	5,026	4,268.88	.....
French	1	3,882	4,427	6,474	3,716	3,187.44	.....
Norwegian	4	17,731	20,930	28,535	17,581	16,671.91	8,500
Swedish	1	3,231	4,322	5,650	4,163	4,038.75	4,766
United States	5	20,161	26,120	32,701	19,948	19,359.23	5,411
Totals	16	67,129	80,304	109,780	67,443	60,900.93	18,677
Europe to west coast Canada:							
British	8	36,440	45,657	57,722	36,674	44,212.90	30,735
Dutch	2	10,636	13,611	17,050	10,610	13,295.00	6,008
French	2	7,631	10,759	12,556	7,786	9,538.75	4,711
German	1	2,624	4,027	4,454	2,618	3,280.00	6,493
Italian	1	4,997	6,455	8,124	5,128	6,246.25	3,914
Norwegian	1	2,262	4,014	3,888	2,296	2,827.50	6,150
Totals	15	64,590	84,523	103,794	65,112	79,400.40	58,011
East coast United States to Far East:							
British	6	20,372	32,577	34,007	20,550	25,465.00	36,780
Japanese	5	22,585	26,428	33,101	21,040	27,881.55	30,574
United States	4	17,095	23,540	27,300	16,956	21,368.75	31,047
Totals	15	60,052	82,545	94,408	58,546	74,715.30	98,401

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Europe to Australasia:							
British	7	38,940	48,370	62,250	38,922	$48,675.00	40,070
French	2	3,362	3,831	5,656	3,417	4,202.50	5,083
Totals	9	42,302	52,201	67,906	42,339	52,877.50	45,153
East coast United States to Australasia:							
British	6	20,400	30,107	32,835	20,416	25,500.00	34,294
Norwegian	1	2,500	4,343	4,319	2,441	3,125.00	7,000
United States	1	3,569	4,496	5,684	3,587	4,461.25	7,000
Totals	8	26,469	38,946	42,838	26,444	33,086.25	48,294
Cristobal to west coast South America:							
British	1	614	622	1,138	602	746.40	923
Colombian	1	173	172	233	166	206.40	305
Norwegian	1	599	685	997	587	748.75	305
Panaman	1	113	124	207	109	89.28	.....
Peruvian	2	2,504	5,364	7,922	3,941	3,130.00	783
Swedish	1	423	483	860	534	528.75	637
Totals	7	4,426	7,450	11,357	5,939	5,449.58	2,953
West Indies to Far East:							
Belgian	1	3,510	4,053	5,168	3,181	4,387.50	6,475
British	1	2,985	4,547	4,862	2,986	3,731.25	7,350
Danish	1	3,142	4,066	5,177	3,199	3,927.50	7,395
Dutch	[1] 1	.....	.....	.....	.....	368.50	.....
Totals	4	9,637	12,666	15,207	9,366	12,414.75	21,220
East coast Canada to Australasia:							
British	3	9,608	12,204	15,698	9,621	12,010.00	10,793
Norwegian	1	2,369	3,370	4,052	2,379	2,961.25	2,953
Totals	4	11,977	15,574	19,750	12,000	14,971.25	13,746
Cristobal to west coast Central America:							
British	2	1,286	1,441	2,298	1,304	1,607.50	2,275
Norwegian	1	485	606	855	482	606.25	1,100
Panaman	1	52	52	72	52	62.40	39
Totals	4	1,823	2,099	3,225	1,838	2,276.15	3,414
East coast United States to Gatun Lake:							
Norwegian	4	2,664	2,744	4,874	2,792	3,292.80	.....
West Indies to west coast of Canada:							
Danish	1	4,219	5,317	6,645	4,244	5,273.75	6,128
Norwegian	2	6,274	8,602	10,108	6,196	7,842.50	10,300
Totals	3	10,493	13,919	16,753	10,440	13,116.25	16,428
Cristobal to west coast United States:							
Panaman	2	2,768	5,212	7,288	5,188	3,460.00	4,818
United States	1	6,020	8,033	9,648	6,020	5,783.76	.....
Totals	3	8,788	13,245	16,936	11,208	9,243.76	4,818
Around the world:							
United States	3	18,700	26,154	31,594	18,700	23,375.00	10,185
East coast United States to west coast Canada:							
United States	3	11,120	15,538	17,913	11,145	13,900.00	26,110
Foreign vessels in ballast—United States coastwise:							
Belgian	1	4,568	4,976	7,138	4,154	3,582.72	.....
British	2	8,247	10,974	13,302	8,191	7,901.28	.....
Totals	3	12,815	15,950	20,440	12,345	11,484.00	.....
West Indies to west coast of United States							
British	1	3,215	4,438	5,198	3,154	3,195.36	.....
Danish	1	2,495	4,483	4,194	2,532	3,118.75	.....
Totals	2	5,710	8,921	9,392	5,686	6,314.11	.....

[1] Dutch submarine of 737 tons displacement.

ATLANTIC TO PACIFIC—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons. of cargo
East coast South America to west coast Canada:							
United States	2	7,046	9,804	11,295	7,046	$8,807.50	10,653
East coast Central America to west coast of Central America:							
Danish	1	1,399	1,827	2,355	1,411	1,748.75	2,762
Panaman	1	24	27	40	19	30.00	.....
Totals	2	1,423	1,854	2,395	1,430	1,778.75	2,762
East coast Canada to west coast of Canada:							
British	1	3,306	4,068	5,492	3,380	4,132.50	3,800
Cristobal to Gatun Lake:							
United States	1	3,448	4,417	5,638	3,477	3,180.24	.....
East coast South America to Far East:							
Japanese	1	5,958	7,354	9,454	5,891	7,447.50	4,818
East coast Canada to west coast South America:							
British	1	5,051	5,940	8,764	5,511	4,276.80	
Europe to west coast Central America:							
German	1	1,870	3,054	3,214	1,886	2,337.50	2,052
East coast of Canada to west coast of United States:							
British	1	6,598	7,658	11,309	6,845	5,513.76	.....
East coast of South America to west coast United States:							
British	1	8,918	9,023	12,097	9,003	6,688.50	.....
East coast South America to west coast of South America:							
German	1	823	936	1,424	810	673.92	.....
Totals, July, 1926	241	906,259	1,156,000	1,490,562	909,056	1,001,504.93	686,354
Totals, July, 1925	221	797,228	1,018,047	1,298,979	802,601	882,189.13	606,103
Totals, July 1924	218	851,201	1,063,378	1,365,295	854,493	932,946.62	652,964

PACIFIC TO ATLANTIC.

United States intercoastal:							
United States	73	293,105	375,206	472,372	294,726	$366,047.75	600,964
West coast United States to Europe:							
Belgian	1	3,239	4,058	5,166	3,071	4,048.75	7,052
British	16	55,319	67,970	88,773	55,132	69,048.85	120,372
Danish	1	2,981	4,607	4,714	2,999	3,726.25	7,620
Danzig	1	5,236	6,338	8,956	5,041	6,545.00	11,088
German	2	7,559	11,460	12,150	7,599	9,448.75	15,667
Swedish	3	9,582	14,160	14,771	10,752	11,977.50	20,606
United States	2	11,832	13,724	17,426	11,771	14,655.35	24,490
Totals	26	95,748	122,317	151,956	96,365	119,450.45	206,895
West coast South America to Europe:							
British	9	30,313	36,794	49,237	30,741	37,767.15	34,645
Dutch	2	9,989	13,466	16,656	9,489	12,486.25	20,734
Finnish	1	1,893	1,889	2,039	1,880	2,266.80	3,100
French	3	9,591	12,517	15,924	9,881	11,988.75	15,157
German	6	20,589	27,824	33,368	20,723	25,736.25	32,225
Italian	1	4,051	5,051	7,028	4,175	5,063.75	2,016
Spanish	1	2,797	3,634	4,710	3,090	3,496.25	619
Swedish	1	2,356	2,903	3,691	2,658	2,945.00	5,192
Totals	24	81,579	104,078	132,653	82,637	101,750.20	113,688
West coast South America to east coast United States:							
British	6	24,883	30,525	41,452	25,361	31,103.75	39,867
Chilean	1	3,479	4,672	7,289	3,886	4,348.75	3,406
Norwegian	1	2,184	2,957	3,594	2,179	2,730.00	5,877
Peruvian	2	2,981	4,647	7,190	4,221	3,726.25	4,404
Swedish	1	3,743	4,496	15,337	4,385	4,678.75	21,000
United States	12	43,928	51,875	75,494	43,907	54,766.35	121,897
Totals	23	81,198	99,172	150,356	83,939	101,353.85	196,451

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
West coast Canada to Europe:							
British	3	10,701	14,862	17,520	10,756	$13,376.25	23,716
Danish	1	4,257	5,341	6,650	4,247	5,321.25	8,777
Dutch	1	4,863	6,066	7,655	4,799	6,078.75	8,242
French	3	10,396	13,801	16,894	10,576	12,995.00	22,674
German	1	2,903	4,279	4,682	2,937	3,628.75	7,046
Italian	1	5,275	5,913	7,061	4,460	6,593.75	8,637
United States	1	3,800	4,998	5,988	3,737	4,750.00	7,899
Totals	11	42,195	55,260	66,450	41,512	52,743.75	86,991
West coast Canada to east coast United States:							
British	3	9,848	13,006	15,862	9,887	12,310.00	20,909
Norwegian	1	4,211	5,301	6,672	4,164	5,263.75	7,880
United States	4	12,348	15,618	19,912	12,402	15,435.00	20,959
Totals	8	26,407	33,925	42,446	26,453	33,008.75	49,748
Far east to east coast of United States:							
Japanese	3	13,096	15,414	19,391	12,760	16,222.70	10,320
Norwegian	1	2,446	4,240	4,297	2,443	3,057.50	5,128
United States	4	14,653	16,790	20,738	14,576	16,547.54	8,236
Totals	8	30,195	36,444	44,426	29,779	35,827.74	23,684
Australasia to Europe:							
British	6	36,676	46,325	58,803	36,962	45,845.00	28,841
West coast South America to Cristobal:							
Colombian	1	173	172	233	166	206.40	252
Norwegian	1	599	685	997	587	748.75	1,254
Panaman	1	113	124	207	109	141.25	234
Peruvian	1	1,515	2,959	4,617	2,427	1,893.75	2,017
Swedish	1	423	483	860	434	528.75	935
Totals	5	2,823	4,423	6,914	3,723	3,518.90	4,692
West coast United States to east coast Canada:							
British	2	11,915	13,962	20,309	12,036	14,893.75	27,852
United States	2	11,915	15,698	19,124	11,913	14,893.75	31,500
Totals	4	23,830	29,660	39,433	23,949	29,787.50	59,352
West coast South America to Egypt:							
British	3	8,503	10,850	13,842	8,510	10,628.75	21,647
Yugo Slav.	1	3,710	4,178	5,861	3,741	4,637.50	9,024
Totals	4	12,213	15,028	19,703	12,251	15,266.25	30,671
West coast Central America to Cristobal:							
British	2	1,252	1,328	2,308	1,256	1,543.90	784
Panaman	1	1,384	2,606	2,461	1,384	1,730.00	936
Totals	3	2,636	3,934	4,769	2,640	3,273.90	1,720
West coast South America to east coast Canada:							
British	3	14,610	18,033	24,982	15,096	18,262.50	35,112
Australasia to east coast of United States:							
British	1	3,231	4,058	5,408	3,321	4,038.75	1,280
United States	2	8,134	9,041	11,656	8,101	9,97820	789
Totals	3	11,365	13,099	17,064	11,422	14,016.95	2,069
West coast United States to West Indies:							
Norwegian	1	2,590	3,316	4,344	2,619	3,237.50	5,345
United States	1	4,194	5,283	6,667	4,044	5,242.50	7,334
Totals	2	6,784	8,599	11,011	6,663	8,480.00	12,679
West coast of United States to Cristobal:							
Panaman	1	1,384	2,606	3,644	2,594	1,730.00	1,019
United States	1	6,020	8,033	9,648	6,020	7,525.00	15,950
Totals	2	7,404	10,639	13,292	8,614	9,255.00	16,969

PACIFIC TO ATLANTIC—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Balboa to Cristobal:							
Panaman	2	72	81	98	72	$64.00	6
West coast United States to east coast South America:							
United States	1	4,256	5,066	6,901	4,255	5,320.00	9,000
West coast Central America to Europe:							
German	1	1,738	2,009	2,288	1,379	2,172.50	2,549
West coast Canada to South Africa:							
British	1	3,135	5,054	5,151	3,162	3,918.75	7,992
West coast Canada to West Indies:							
Swedish	1	869	1,574	1,593	1,055	1,086.25	1,086
West coast Canada to east coast of Canada:							
British	1	3,322	4,186	5,465	3,400	4,152.50	6,566
Australasia to east coast of Canada:							
British	1	3,301	4,159	5,497	3,384	4,126.25	700
Balboa to east coast of United States:							
United States	1	325	223	715	330	243.75	.....
Balboa to West Indies:							
United States	1	323	327	828	563	242.25	.....
Gatun Lake to east coast of United States:							
Norwegian	[1] 4	[1] 2,664	[1] 2,744	[1] 4,874	[1] 2,792	[1] 3,292.80	748
Totals, July, 1926	215	786,109	998,821	1,285,166	794,331	979,214.74	1,499,173
Totals, July, 1925	197	737,680	933,248	1,205,578	747,357	918,050.71	1,354,551
Totals, July, 1924	204	772,625	972,719	1,243,199	778,066	1,002,349.81	1,444,190

[1] These 4 vessels entered the Canal at Cristobal and proceeded as far as Gatun Lake, where, after taking on cargoes of bananas, they returned to the Atlantic entrance of the Canal. As vessels transiting the Canal as far as Gatun Lake only, are ent tled to return to Canal port of entry without payment of tolls for return voyage, the only items taken up in connection with these transits in the Pacific-to-Atlantic traffic statistics is the amount of cargo tonnage.

Record Voyage from New York to Yokohama via Panama Canal.

The SHIPPING REGISTER of July 24, 1926, states that the motor ship *Japanese Prince* of the Prince Line made the voyage from New York to Yokohama, via Norfolk, the Panama Canal, and Los Angeles in 30 days elapsed time. This is claimed to have set a new record for the fast transportation of merchandise to the Far East.

The *Japanese Prince* is one of five new motor vessels of the Prince Line being placed in the Far Eastern service by Furness, Withy & Co. She is 441.5 feet long with a beam of 60.35 feet and a Panama Canal net tonnage of 6,152. On this voyage she passed through the Panama Canal on June 20, 1926, laden with 5,850 tons of general cargo. It is claimed that these vessels will make the voyage from New York to Yokohama in 28 days when their machinery is thoroughly adjusted.

The distance from New York to Yokohama via Norfolk, the Panama Canal and Los Angeles is approximately 9,900 nautical miles. To makes this in 30 days elapsed time means an average speed of 13.7 knots; 28 days means nearly 15 knots.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

United States Intercoastal Traffic by Commodities for July, 1926.

The following table shows the cargo carried through the Canal in the United States intercoastal trade, segregated by commodities and direction, with the totals, and the totals for July, 1925, and 1924. Cargo statistics are compiled from cargo declarations submitted by masters of vessels, and in these declarations small items are frequently grouped under the designation of "General Cargo." These statistics are accordingly not precise but they are indicative of the kind and quantity of the cargo in transit through the Canal. The figures represent tons of 2,240 pounds, and are for the United States intercoastal trade only:

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Total.
Agricultural implements	906	.....	906
Ammonia	19	.....	19
Asphalt	161	46	207
Automobiles	257	78	335
Automobile accessories	1,098	66	1,164
Bark, cascara	.....	124	124
Beans	.....	1,174	1,174
Blood and tankage	200	.....	200
Bones and bone meal	90	.....	90
Borax	24	1,041	1,065
Bricks	100	.....	100
Canned goods:			
Fish	436	8,581	9,017
Fruit	230	6,615	6,845
Milk	.....	352	352
Vegetables	1,076	1,681	2,757
Other	27	137	164
Celite filtercel	.....	550	550
Cement	1,513	242	1,755
Charcoal	504	.....	504
Chemicals	1,194	66	1,260
China and fire clay	215	.....	215
Coal	2,986	.....	2,986
Cocoa	106	15	121
Cold storage:			
Cheese	.....	25	25
Lard	1,022	25	1,047
Confectionery	157	.....	157
Copra	.....	25	25
Cotton	10	282	292
Drugs	403	.....	403
Earthenware	46	.....	46
Explosives	.....	76	76
Fertilizer	60	.....	60
Flour	30	6,406	6,436
Fruit:			
Dried	36	5,514	5,550
Fresh	.....	184	184
Fullers earth	920	.....	920
Furniture	210	.....	210
General	75,591	34,158	109,749
Glass and glassware	1,025	271	1,296
Hardwoods	100	.....	100
Hay	.....	1,265	1,265
Ink	50	20	70
Iodine	78	.....	78
Linoleum	564	.....	564
Lumber	476	213,914	214,390
Manufactured goods:			
Iron and steel	89,361	248	89,609
Machinery	2,208	219	2,427
Railroad materials	1,865	.....	1,865
Textiles	3,211	38	3,249
Other	817	.....	817
Marble	301	.....	301
Matches	7	.....	7
Metals:			
Copper	.....	3,620	3,620
Iron	1,460	.....	1,460
Scrap	348	110	458
Tin	7,471	50	7,521
Other	50	49	99
Milk, powdered	.....	30	30

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Total.
Oils:			
Cottonseed	30		30
Crude		220,971	220,971
Linseed	110		110
Lubricating	2,294	10,529	12,823
Refined	32	88,128	88,160
Vegetable	220		220
Ores:			
Antimony		100	100
Copper		400	400
Magnesite		1,024	1,024
Manganese	15	1,638	1,653
Tin	13		13
Paint and varnishes	484		484
Paper	3,946	1,125	5,071
Peanuts		777	777
Phosphates	42		42
Rags	12	126	138
Rice		45	45
Rope	92	55	147
Resin	764		764
Rubber:			
Manufactured	181		181
Raw	214	65	279
Scrap		215	215
Salt	48		48
Sand	500		500
Shells, oyster	1,961	40	2,001
Skins and hides	58	1,513	1,571
Soap	507	140	647
Soda ash	448		448
Soda, caustic	356		356
Starch	10		10
Sugar	2,002		2,002
Syrup	391		391
Tea		195	195
Tobacco	2,452	85	2,537
Toys	119		119
Turpentine	162		162
Waste	25	45	70
Wine		409	409
Wool		2,613	2,613
Zinc oxide	324		324
Totals, July, 1926	216,831	617,535	834,366
Totals, July, 1925	209,260	610,915	820,175
Totals, July, 1924	161,264	657,295	818,559

Notice to Mariners—Aid to Navigation.

THE PANAMA CANAL, DEPARTMENT OF OPERATION AND MAINTENANCE,
BALBOA HEIGHTS, C. Z., *August 14, 1926.*

The following information has been received by the Hydrographic Office through the Marine Superintendent:

"Puerto Colombia, July 31st, Cupino Beach Light in Puerto Colombia has been converted to the AGA flashing system and is operating since June 17th, with the characteristics of 0.5 seconds light and 4.5 seconds dark, or a flash every 5 seconds. Visible for 13 nautical miles.

"Galera de Zamba Light at Point Galera has been changed. A new lantern with increased visibility of the light has been installed July 13th, and is operating with the following characteristics: 0.6 seconds light and 5.4 seconds dark, or a flash every 6 seconds. The visibility of the light is 15 nautical miles. (Signed) Captain of the Port—Puerto Colombia."

Position, Cupino Beach Light:
Latitude 11° 00′ 15″ North.
Longitude 74° 57′ 55″ West.

Position Galera de Zamba Light:
Latitude 10° 48′ North.
Longitude 75° 20′ West.

M. L. WALKER,
Governor.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending August 14, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Sigdal	Colombian Transport Co	.....	August 8	.....	903
Cristobal	Panama Railroad S. S. Line	.....	August 8	.....	2,613
Bowden	United Fruit Co	.....	August 8	.....	510
Santa Cruz	Grace Line	August 8	August 8	434	600
Cartago	United Fruit Co	August 8	August 8	713	175
Ulua	United Fruit Co	August 8	August 8	21½	2
Cid	Pacific Steam Nav. Co	August 8	August 8	160	(2)
Alrich	Roland S. S. Line	August 8	August 9	73	(2)
Noorderdyk	Holland-American S. S. Line	August 8	August 9	200	(2)
Mineola	N. O. & S. A. S. S. Line	August 9	August 9	194	10
Ecuador	Panama Mail S. S. Line	August 9	August 10	321	262
La Paz	Pacific Steam Nav. Co	August 9	August 10	117	148
Darian	Leyland S. S. Line	August 9	August 11	868	190
Toloa	United Fruit Co	August 9	August 11	390	54
Camden	United Fruit Co	August 9	August 11	9,107	(2)
Stuyvesant	Royal Neth. W. I. Mail	August 10	August 11	2	(2)
Garfield	Grace Line	August 10	August 11	(1)	22
Abangarez	United Fruit Co	August 10	August 12	784	1
Cartago	United Fruit Co	August 11	August 11	28	(3)
Santa Ana	Grace Line	August 11	August 12	(1)	2
Santa Marta	United Fruit Co	August 11	August 12	410	892
Oroya	Pacific Steam Nav. Co	August 11	August 12	65	97
Macoris	French Line	August 11	August 13	103	693
Carrillo	United Fruit Co	August 12	August 12	(1)	237
Favorita	Standard Fruit S. S. Co	August 12	August 12	198	14
Aconcagua	Chilean Line	August 12	August 12	2	(2)
Colombia	Panama Mail S. S. Line	August 13	August 13	758	100
U. D. Vinton	Surgeon Bros	August 13	August 13	(1)	30
Napoli	Italian Line	August 13	August 14	117	105
Stuyvesant	Royal Neth. W. I. Mail	August 13	August 14	(1)	305
Arana	Pacific Steam Nav. Co	August 14	.....	71½	.....
Orita	Pacific Steam Nav. Co	August 14	August 14	3	1
Favorita	Standard Fruit S. S. Co	August 14	August 14	15½	62
Ammon	Kosmos Line	August 14	August 14	3	(2)

[1] No cargo discharged. [2] No cargo laded. [3] 2 cartons.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective August 5, 1926:

Commodities.	Unit	Price.
Brass, bar, average	Lb.	$0.29
Brass, sheet, average	Lb	.41
Bronze, Tobin, average	Lb.	.26
Gasoline, motor grade	Gal	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.21
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.48
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.675
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.15
Oil, marine engine	Gal	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.15
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.14
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.20
Waste, cotton, white	Lb.	.24

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution, away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors, subject to conditions and charges which will be explained on application to the Company at 24 State St., New York City, or Balboa Heights, Canal Zone.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Details of arrangements were published in THE PANAMA CANAL RECORD of March 18, 1925, and will be furnished upon application to the Panama Railroad Company, Balboa Heights, Canal Zone, or 24 State Street, New York, N. Y.

Cargo stored for orders ex steamers of Panama Railroad Line, Panama Mail, Pacific Steam Navigation Co., and Peruvian Line, can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping, except the warehouseman's order to release the cargo for shipment. Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.05 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $8.50 per ton of 2,240 pounds at Cristobal, and $11.50 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $8.50 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $9.50 per ton at Cristobal, $12.50 at Blaboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Sale of Buildings.

The Panama Canal offers for sale to the highest bidder, a number of buildings located on High Street, Gatun. Sealed bids will be received in the office of the Chief Quartermaster, The Panama Canal, Balboa Heights, C. Z., up to 10.30 a. m., September 15, 1926. Forms of proposal and full particulars may be had upon application to the offices of the Chief Quartermaster and the District Quartermaster at Cristobal and Gatun.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Transit and Harbor Regulations of The Panama Canal," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometric comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

THE PANAMA CANAL RECORD

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CANAL WORK IN JULY, 1926.

The following is the report of the Governor to the Secretary of War, of Canal work in the month of July, 1926:

BALBOA HEIGHTS, C. Z., *August 19, 1926.*

The Honorable, the Secretary of War,
Washington, D. C.

SIR: I have the honor to submit the following report of The Panama Canal for the month of July, 1926:

NUMBER OF TRANSITS.

During the month of July, 1926, 456 commercial vessels passed through the Panama Canal. In addition to these, 7 small nonseagoing launches, measuring under 20 tons, and 19 vessels belonging to or chartered by the United States Government transited the Canal. There were also two transits solely for repairs on which no tolls were collected, and one transit of a vessel belonging to the Panaman Government, making the total transits for the month 485, or a daily average on all transits of 15.64.

Tolls on the 456 commercial vessels amounted to $1,980,719.67, and on the launches to $32.40, making the total tolls collection for the month $1,980,752.07, or a daily average on all traffic of $63,895.22.

The average amount of tolls paid by each of the commercial vessels during the month was $4,343.68.

The total number of craft of all kinds transiting the Canal during the month of July, as compared with the same month in 1925 and 1924, is shown in the following table:

	July, 1926.	July, 1925.	July, 1924.
Commercial vessels	456	418	422
Noncommercial vessels (Army and Navy)	19	52	18
Launches (under 20 tons measurement)	7	20	.....
Panaman Government	1	3	.....
For repairs	2	..	.....
Total vessels and craft through Canal	485	493	440

In addition to the vessels listed above, Panama Canal equipment consisting of dredges, tugs, barges, launches, etc., was passed through the locks as follows:

	North-bound.	South-bound.	Total.
Gatun	8	7	15
Pedro Miguel	29	27	56
Miraflores	25	23	48
Totals	62	57	119

COMMERCIAL TRAFFIC.

The following tabulation shows the number of commercial vessels, Panama Canal net tonnage, tolls and tons of cargo carried by commercial vessels transiting the Canal each month, from the beginning of the calendar year, 1926, to the end of July, 1926, as compared with the same months in the preceding year:

COMMERCIAL TRAFFIC.[1]

Month.	No. of vessels.		Panama Canal net tonnage.		Tons of cargo.		Tolls.	
	1925.	1926.	1925.	1926.	1925.	1926.	1925.	1926.
January	401	479	1,960,015	2,300,187	1,907,469	2,346,643	$1,832,024.35	$2,103,368.29
February	379	424	1,789,447	1,991,127	1,839,619	2,139,207	1,648,964.88	1,835,226.47
March	398	506	1,964,106	2,398,694	2,104,324	2,607,046	1,840,103.14	2,206,212.20
April	382	425	1,840,692	2,048,247	1,950,902	2,237,567	1,735,429.37	1,917,457.11
May	372	470	1,847,682	2,243,103	1,823,042	2,416,701	1,705,592.20	2,056,965.55
June	368	419	1,753,327	1,990,344	1,920,323	2,134,686	1,659,490.06	1,852,670.66
July	418	456	1,951,295	2,154,821	1,960,654	2,185,527	1,800,239.84	1,980,719.67
Totals	2,718	3,179	13,106,564	15,126,523	13,506,333	16,067,377	12,221,843.84	13,952,619.95

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in the direct service of the United States Government, including merchant vessels chartered by the Government, do not pay tolls. Shipping Board vessels in commercial service pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial Traffic."

The following is a summary of the commercial traffic for July, 1926, as compared with the corresponding month in 1925 and 1924, and the monthly average for the fiscal year, 1926:

	July, 1926.	July, 1925.	July, 1924.	Average per month for fiscal year, 1926.
Number of vessels	456	418	422	433
United States net tonnage	1,692,368	1,534,908	1,623,826	1,621,069
Panama Canal net tonnage	2,154,821	1,951,295	2,036,097	2,064,549
Registered gross tonnage	2,775,728	2,504,557	2,608,494	2,639,385
Registered net tonnage	1,703,387	1,549,958	1,632,559	1,629,073
Tolls	$1,989,719.67	$1,800,239.84	$1,935,296.43	$1,910,921.33
Tons of cargo carried	2,185,527	1,960,654	2,097,154	2,169,787

The average daily number of transits, tonnage, tolls, and cargo is shown in the following statement, in comparative form, commercial vessels only:

	Average per day.			Average per day for fiscal year, 1926.
	July, 1926.	July, 1925.	July, 1924.	
Number of transits	14.71	13.48	13.61	14.24
Panama Canal net tonnage	69,510	62,945	65,680	67,875
Tolls	$63,894.18	$58,072.25	$62,428.92	$62,829.89
Tons of cargo carried	70,501	63,246	67,650	71,335

AVERAGE TONNAGE, TOLLS, AND TONS OF CARGO PER VESSEL.

The average tonnage, tolls, and cargo per vessel transiting the Canal during the month of July, 1926, as compared with July, 1925, and July, 1924, are shown in the following tabulation:

	Average per vessel.		
	July, 1926.	July, 1925.	July, 1924.
United States equivalent net tonnage	3,711	3,672	3,848
Panama Canal net tonnage	4,725	4,668	4,825
Registered gross tonnage	6,087	5,989	6,155
Registered net tonnage	3,735	3,707	3,869
Tolls	$4,343.68	$4,306.79	$4,586.01
Tons of cargo (including vessels in ballast)	4,792	4,690	4,970
Tons of cargo (laden vessels only)	5,843	5,766	6,021

TOLLS.

At present, tolls are collected at rates of $1.20 per ton for laden vessels and $0.72 per ton for vessels in ballast, computed on the basis of The Panama Canal rules of measurement, with the provision that tolls shall not exceed $1.25 per ton nor be less than $0.75 per ton as determined in accordance with the United States rules for the measurement of net registered tonnage. In order to ascertain the proper tolls charges, it is necessary, therefore, that the net tonnage of vessels transiting the Canal be determined both in accordance with The Panama Canal and the United States rules of measurement.

Taking the traffic through the Canal for the month of July, 1926, the following tabulation shows a comparison of tolls actually collected under the present method of assessing tolls and the tolls that would have been collected on the basis of The Panama Canal rules of measurement at the proposed rates of $1.00 laden and $0.60 ballast, with transits for the month segregated by flag:

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c. ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
Belgian	$12,018.97	$11,096.60		$922.37
British	530,133.53	532,091.20	$1,957.67	
Chilean	10,362.35	10,730.00	367.65	
Colombian	412.80	344.00		68.80
Danish	25,240.25	25,617.80	377.55	
Danzig	15,082.04	13,452.20		1,629.84
Dutch	41,192.25	43,221.00	2,028.75	
Finnish	2,266.80	1,889.00		377.80
French	46,591.19	47,876.20	1,285.01	
German	57,451.42	63,876.60	6,425.18	
Italian	25,586.25	25,154.00		432.25
Japanese	51,551.75	49,196.00		2,355.75
Norwegian	56,837.21	60,646.80	3,809.59	
Panaman	7,306.93	10,782.40	3,475.47	
Peruvian	8,750.00	12,970.00	4,220.00	
Spanish	7,352.50	7,227.00		125.50
Swedish	32,203.99	33,771.20	1,567.21	
United States	1,041,433.19	1,032,299.40		9,133.79
Yugo-Slav	8,946.25	8,366.00		580.25
Totals	1,080,719.67	1,990,607.40	25,514.08	15,626.25

The decrease on vessels of United States registry would have been made up, with respect to channels of trade in which the vessels were engaged, as follows:

United States intercoastal trade	$3,095.10
United States foreign trade	5,052.69
United States-Canal Zone trade	986.00
Totals	9,133.79

RATIO OF CARGO TONNAGE TO NET TONNAGE.

The ratio of cargo tonnage to net tonnage, Panama Canal measurement, of vessels transiting the Panama Canal in July, 1926, is shown in the following tabulation, segregated by nationality of vessels and direction of transit. Laden vessels only are included:

Nationality.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Belgian	1.59	1.75	1.67
British	.88	1.36	1.15
Chilean	.49	.72	.59
Colombian	1.77	1.47	1.62
Danish	1.45	1.65	1.54
Danzig		1.75	1.75
Dutch	.64	1.48	1.02
Finnish		1.64	1.64
French	.59	1.43	1.08
German	1.08	1.26	1.21
Italian	.48	.97	.70
Japanese	1.04	.66	.93
Norwegian	1.14	1.59	1.29
Panaman	.91	.40	.66
Peruvian	.14	.84	.55
Spanish	.04	.16	.10
Swedish	1.12	2.06	1.90
United States	.90	1.65	1.35
Yugo-Slav	1.67	2.16	.191
Average, July, 1926	.90	1.51	1.25
Average, July, 1925	.88	1.46	1.21
Average, July, 1924	.98	1.50	1.29

CLASSIFICATION OF VESSELS.

A further classification of commercial vessels passing through the Canal during the month of July, is as follows:

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of vessels.	Panama Canal net tonnage.	Tolls.	No. of vessels.	Panama Canal net tonnage.	Tolls.
Tank ships:						
Laden	1	9,593	$19,307.50	53	309,835	$316,537.50
Ballast	60	338,717	244,225.80	..		.
General cargo ships:						
Laden	165	755,976	709,312.01	155	681,231	656,959.45
Ballast	14	51,714	37,291.12	7	7,755	5,717.79
Naval vessels:						
Submarines	1	.	368.50	.		.
Totals	241	1,156,000	1,001,504.93	215	998,821	979,214.74
Steamers	201	992,885	862,112.70	182	991,826	885,100.54
Motor ships	34	162,187	138,109.65	24	99,126	86,594.25
Motor schooners	4	601	671.83	1	52	39.00
Tugs	1	327	242.25	3	572	592.50
Sailing vessels	.....	....	....	4	5,931	6,808.95
Submarines	1	.....	368.50	.....	.....	..
Yachts	.....	..	.	1	314	259.50
Totals	241	1,156,000	1,001,504.93	215	998,821	979,214.74

Of the 383 steamers, 265 were oil burning, 114 coal burning, and 4 burned either coal or oil.

NONCOMMERCIAL TRAFFIC.

The following statement shows the tonnage and amount of cargo carried by vessels transiting the Panama Canal free of tolls during the month of July, 1926. If tolls had been assessed against these vessels at commercial rates, the amount collected would have been approximately as follows:

Class and nationality.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of transits.	Tonnage.	Tolls.	No. of transits.	Tonnage.	Tolls.
U. S. Naval vessels:						
Ammunition ships	.....	.....	..	1	[2] 5,269	$6,322.50
Crane ships	1	[1] 11,520	$5,760.00	.....	..	.
Cruisers	2	[1] 4,775	2,387.50	3	[1] 14,550	7,275.00
Motor sailors	1	[2] 10	7.20	.....	...	....
Submarines	2	[1] 1,812	906.00	....	...	..
Tank ships	1	[2] 5,357	3,857.04	1	[2] 6,424	7,708.80
Tugs	1	[1] 1,000	500.00	2	[1] 2,120	1,060.00
U. S. Army vessels:						
Launches	1	[2] 2	1.44	.....	.	.
Transports	1	[2] 5,212	6,254.40	1	[2] 5,212	6,254.40
Tugs	1	[1] 1,000	50.00	...	.	...
Panaman Government vessels:						
Launches	1	[2] 2	1.44	...	.	...
Vessels for repair:						
Tankers	1	[2] 2,372	1,707.84	1	[2] 2,372	1,707.84
Totals	13	.....	21,432.86	9		30,328.54

[1] Indicates displacement tonnage. [2] Indicates Panama Canal net tonnage.

The foregoing noncommercial vessels transiting the Canal during the month of July, 1926, carried cargo as follows—

	Tons.
Atlantic to Pacific	392
Pacific to Atlantic	11,561
Totals	11,953

The following statement shows the number of launches transiting the Canal during the month of July, 1926. These launches, although paying tolls, are excluded from statements concerning commercial traffic:

	Number.	Tonnage.	Tolls.
Atlantic to Pacific	7	39	$32.40
Pacific to Atlantic			
Totals	7	39	32.40

STATEMENT OF TERMINAL OPERATIONS.

Details of the business transacted at the Atlantic and Pacific terminals of the Panama Canal during the month of July, 1926, are shown in the following tabulation:

	Cristobal.	Balboa.	Total.
Local cargo arriving ..... tons	63,508	38,869	102,377
Local cargo shipped ..... tons	7,209	322	7,531
Transit cargo arriving ..... tons	2,147,331	2,143,539	4,290,870
Transit cargo clearing ..... tons	2,128,513	2,161,330	4,289,843
Cargo received for transshipment ..... tons	27,270	3,761	31,031
Cargo transshipped ..... tons	30,338	523	30,861
Vessels supplied with bunker coal:			
Commercial, other than Panama Railroad	71	6	77
Coal supplied to above vessels:			
Commercial, other than Panama Railroad ..... tons	35,246	555	35,801
Coal issued, miscellaneous:			
Panama Canal departments ..... tons	146	8	154
U. S. Army, excepting vessels ..... tons	456		456
Individuals and companies ..... tons	176		176
Transferred to Navy ..... tons	561		561
Transferred to Balboa ..... tons	27		27
Total issues and sales ..... tons	36,612	563	37,175
Coal on hand, August 1, 1926 ..... tons	37,769	25	37,794
Coal on hand, July 1, 1926 ..... tons	59,246		59,246
Coal received during the month ..... tons	15,135		15,135
Coal received from Navy ..... tons		561	561
Coal received from Panama Railroad, Cristobal ..... tons		27	27
Fuel oil issued from Panama Canal tanks:			
Panama Canal departments ..... bbls	6,432.56	20,523.27	26,955.83
Panama Railroad Company ..... bbls	305.17		305.17
Army and Navy ..... bbls		107.33	107.33
Individuals and companies ..... bbls		129.05	129.05
Total issues and sales ..... bbls	6,737.73	20,759.65	27,497.38
Fuel oil received during July ..... bbls			
Fuel oil on hand, August 1, 1926 ..... bbls	80,470.84	30,907.95	111,378.79
Diesel oil sold during July, 1926 ..... bbls	90.34		90.34
Diesel oil on hand, August 1, 1926 ..... bbls	31,204.06	454.48	31,658.54
Miscellaneous transfers ..... bbls	724.10	1,013.94	1,738.04
Gasoline and kerosene pumped for The Panama Canal ..... bbls	1,003.73	8,230.49	9,234.22
Gasoline pumped for individuals and companies ..... bbls		18,003.66	18,003.66
Oil pumped for individuals and companies ..... bbls	698,170.77	410,627.18	1,108,797.95
Total fuel oil, gasoline, and kerosene handled ..... bbls	706,726.67	458,634.92	1,165,361.59
Admeasurement of vessels:			
U. S. equivalent certificates issued	20	8	28
Measured for Panama Canal net tonnage	4	6	10
Remeasured for Panama Canal net tonnage	19	1	20
Panama Canal net tonnage corrected	3		3
U. S. equivalent tonnage corrected	9	3	12
Service for harbor equipment:			
Tugs, total operating hours	534¾	365¼	900
Launches, total operating hours	1,364½	1,511½	2,876
Scows, total operating days		17½	17½
Revenue from tug service, pilotage, etc.:			
Tug revenue	$16,375.30	$11,213.75	$27,589.05
Pilotage	18,259.00	6,713.00	24,972.00
Seamen	11,232.00	$9,920.00	21,152.00
Launch service	1,979.00	3,098.00	5,077.00
Wharfage	13,737.46	4,049.05	17,786.51
Ships measured	200.00	260.00	460.00
Miscellaneous cash collections	27.40	209.50	236.90

	Cristobal.	Balboa.	Total.
Ships repaired at Panama Canal shops:			
Commercial	38	14	52
U. S. Army and Navy	8	4	12
Panama Canal equipment	11	15	25
Vessels drydocked:			
Commercial	1	2	3
U. S. Army and Navy	1	3	4
Panama Canal equipment	2		2
Clearances issued	270	249	519
Bills of health issued	274	250	524

ALL VESSELS ENTERING AND CLEARING PORT.

	Port of Cristobal.			Port of Balboa.		
	No. of ships.	Registered gross tonnage.	Registered net tonnage.	No. of ships.	Registered gross tonnage.	Registered net tonnage.
Ships entering.						
All vessels including those transiting Canal	520	3,113,104	1,924,971	476	2,883,023	1,789,983
Vessels entering port but not transiting Canal	73	335,441	201,778	14	48,443	30,191
Vessels transiting Canal and handling passengers and cargo at terminal ports	89	530,073	331,830	64	391,036	237,258
Ships clearing.						
All vessels including those transiting Canal	529	3,157,430	1,950,882	473	2,882,367	1,793,879
Vessels entering port but not transiting Canal	78	359,821	217,214	9	41,032	30,725
Vessels transiting Canal and handling passengers and cargo at terminal ports	91	558,299	336,361	66	399,868	243,900

MOVEMENT OF PASSENGERS.

	At Cristobal.			At Balboa.		
	First-class.	Others.	Total.	First-class.	Others.	Total.
Disembarking:						
From Atlantic ports	1,534	1,318	2,852	45	42	67
From Pacific ports	143	115	258	304	259	563
Total disembarking	1,677	1,433	3,110	349	301	650
Embarking:						
For Atlantic ports	2,000	1,551	3,551	74	129	203
For Pacific ports	154	100	254	148	200	348
Total embarking	2,154	1,651	3,805	222	329	551
Remaining on board:						
From Atlantic to Pacific ports	1,483	2,373	3,856	1,600	2,105	3,705
From Pacific to Atlantic ports	1,072	1,127	2,199	1,193	1,365	2,558
From Atlantic to Atlantic ports	542	110	652			
From Pacific to Pacific ports				10	175	185
Total arriving	4,774	5,043	9,817	3,152	3,946	7,098
Total departing	5,251	5,261	10,512	3,025	3,974	6,999

PASSENGER-CARRYING VESSELS THROUGH CANAL.

	Total commercial vessels.	Passenger-carrying vessels.	Per cent of total transits.
From Atlantic to Pacific	241	39	16.1
From Pacific to Atlantic	215	37	17.1
Totals	456	76	16.6

In addition to the above, 61 passenger-carrying vessels called at the port of Cristobal and 3 at Balboa, without transiting the Canal, making a total of 140 passenger-carrying vessels calling at Canal Zone ports during the month.

COMMISSARY SALES TO VESSELS.

Following is a statement of commissary sales to vessels during the month of July, 1926:

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Cristobal to:						
Government vessels	$428.95	$952.30	$11,458.72	.....	$513.27	$13,353.24
Panama Railroad vessels	5.40	93.06	764.57	$591.10	389.12	1,843.25
Commercial vessels	2,790.96	9,764.83	25,022.19	206.13	3,815.66	41,599.77
Total sales, July, 1926	3,225.31	10,810.19	37,245.48	797.23	4,718.05	56,796.26
Total sales, July, 1925	2,208.20	10,948.92	31,333.78	1,101.73	4,036.67	49,629.30
Total sales, July, 1924	1,820.64	8,510.99	20,919.35	1,143.00	2,509.81	34,903.79
Sales at Balboa to:						
Government vessels	393.30	1,820.53	13,938.56	285.96	308.90	16,747.25
Commercial vessels	1,061.55	8,529.34	13,753.57	283.45	2,855.84	26,483.75
Total sales, July, 1926	1,454.85	10,349.87	27,692.13	569.41	3,164.74	43,231.00
Total sales, July, 1925	2,096.45	12,670.26	35,687.38	658.77	2,794.15	53,907.01
Total sales, July, 1924	983.92	3,705.62	20,032.24	749.23	5,724.28	31,195.29

The aggregate sales to Government vessels during the month were $30,100.49, to Panama Railroad vessels, $1,843,25, and to other commercial vessels, $68,083.52; making the total sales to all vessels, $100,027.26.

LOCK OPERATIONS.

The following tabulation shows the number of lockages, and the number of vessels passing through the locks during the month of July, 1926, as compared with the corresponding month in 1925 and 1924, together with the consumption of water for lockages, maintenance, etc., in July, 1926, as compared with the preceding month and the corresponding month in 1925:

Locks.	Number of lockages.						Comparative grand totals.		
	Commercial.			Noncommercial.					
	North.	South.	Total.	North.	South.	Total.	July, 1926.	July, 1925.	July, 1924.
Gatun	206	221	427	8	5	13	440	428	414
Pedro Miguel	206	236	442	7	14	21	463	435	451
Miraflores	206	230	436	7	12	19	455	431	449
	Number of vessels put through locks.								
Gatun	223	248	471	19	24	43	514	525	466
Pedro Miguel	217	239	456	38	39	77	533	516	496
Miraflores	217	239	456	37	37	74	530	513	496

CLASSIFICATION OF NON-COMMERCIAL VESSELS.

	Gatun.	Pedro Miguel.	Miraflores.
Army and Navy vessels	27	21	26
Panama Canal equipment	15	56	26
Panaman Government vessels	1	.....	.....

The total consumption of water for lockages, maintenance, and loss in leakage was as follows:

	Gatun.	Pedro Miguel.	Miraflores.
	Cubic feet.	*Cubic feet.*	*Cubic feet.*
Lockages	1,670,930,000	1,444,060,000	1,435,140,000
Maintenance	.....	.....	.....
Leakage	30,000,000	9,000,000	20,000,000
Totals, July, 1926	1,700,930,000	1,453,060,000	1,455,140,000
Totals, June, 1926	1,403,820,000	1,121,900,000	1,249,800,000
Totals, July, 1925	1,699,930,000	1,253,520,000	1,328,850,000

METEOROLOGY AND HYDROGRAPHY.

In the following tabulation the meteorological and hydrographic conditions over the Canal Zone and vicinity during the month of July, 1926, are shown in comparative form:

Rainfall for month.	July.		July—Years of record.		
	1926.	1925.	Maximum.	Minimum.	Mean.
	Inches.	*Inches.*	*Inches.*	*Inches.*	*Inches.*
Pacific section	11.27	7.11	12.16	4.36	8.26
Central section	16.14	12.15	16.43	5.43	10.80
Atlantic section	19.49	16.80	20.40	6.66	14.97
Maximum recorded on any one day	5.24	6.69	[2] 6.69		
Gatun Lake watershed	15.93	12.42	18.21	5.63	11.35
Chagres River watershed above Alhajuela	16.37	14.30	20.10	7.92	14.36
Maximum recorded for month at any one point	23.47	21.08	34.96		
Minimum recorded for month at any one point	9.29	3.83		1.64	
Hydrography.	*C.f.s.*	*C.f.s.*	*C.f.s.*	*C.f.s.*	*C.f.s.*
Discharge of Chagres River at Alhajuela	2,155	2,146	4,420	1,248	2,731
Maximum momentary discharge for the month	7,664	19,400	[2] 33,200		
Gatun Lake watershed, total yield	7,955	5,821	10,967	2,677	6,607
Gatun Lake watershed, net yield	7,488	5,328	10,376	1,898	6,121
Draft on Gatun Lake for lockages and power	2,624	2,627	2,778	[3] 1,244	1,106

[1] 12.25 represents the maximum 24-hour rainfall recorded on the Canal Zone and vicinity since American occupation recorded at Gatun on October 23 and 24, 1923. Note.—Extreme outlying stations in the Republic of Panama not included in this report. [2] July 5, 1911. [3] Not including July, 1914.

SEISMOLOGY.

Seismic tremors were recorded on the 1st and 4th of the month.

ELECTRICAL DIVISION.

In addition to the usual operating and maintenance work performed by this division, electrical installation and repair work was made on 26 vessels during the month. There were 338 work orders issued during July, as compared with 331 work orders during the month of June, 1926.

MECHANICAL DIVISION.

During the month miscellaneous repairs were made on 57 vessels at Cristobal and 32 at Balboa. The overhaul to the U. S. Army steamer *Nones* was completed during the month, and the annual overhaul of U. S. submarines *O–4* and *O–7* was started.

MUNICIPAL ENGINEERING DIVISION.

The usual maintenance work on roads, streets, and walks, and to the water and sewer systems was performed during the month.

The amount of water pumped during the month totaled 652,604,500 gallons.

DREDGING DIVISION.

West Culebra slide showed a movement of 0.6 feet toward the Canal during the month.

On July 2, a settlement occurred in a portion of the high bank at the north end of East Culebra slide, between stations 1762 and 1770-E, material entering the prism to a point 80 feet west of the east prism line. The dredge *Paraiso* worked five days on this slide removing 16,900 cubic yards and cleaning up the channel to full depth and width.

On the night of July 29, a general settlement of the high bank between stations 1730 and 1737-W, occurred, the bank at station 1731 showing a 15-foot settlement. This caused the material to push out beyond the west prism line into the canal about 40 feet. The dipper dredge *Gamboa* was moved immediately to this slide and worked until the 30th when the *Paraiso* took her place. Both dredges removed 9,600 cubic yards of material.

All other slides were quiescent during the month and there was no interference with canal traffic.

The total excavation during the month was 480,603 cubic yards, as follows:

Cubic yards.	Classified as— Earth.	Rock.	Character of work.	Station.	Equipment.
116,700	116,700	....	Maintenance	Gatun Lake	*No. 83.*
40,250	7,150	33,100	Maintenance	Gatun Lake	*Gamboa.*
2,650	550	2,100	Maintenance	Gaillard Cut	*Gamboa.*
1,700	500	1,200	Maintenance	Gaillard Cut, West Lirio slide	*Gamboa.*
19,950	1,600	18,350	Maintenance	Gaillard Cut	*Paraiso.*
2,000	100	1,900	Maintenance	Gaillard Cut, powderhouse slide	*Paraiso.*
16,900	2,950	13,950	Maintenance	Gaillard Cut, East Culebra slide	*Paraiso.*
7,900	1,550	6,350	Maintenance	Gaillard Cut, West Lirio slide	*Paraiso.*
57,050	.	57,050	Maintenance	Pacific entrance, Project No. 1	*Cascadas.*
43,450	40,400	3,050	Maintenance	Pacific entrance, maintenance	*Cascadas.*
48,450	48,450	....	Maintenance	Pacific entrance, Project No. 1	*No. 86.*
122,700	122,700	....	Maintenance	Pacific entrance, maintenance	*No. 86.*
903	903	....	Auxiliary	Sand from Chame	*La Valley.*

OCCUPANTS OF QUARTERS.

The number of persons, including men, women, and children, occupying Panama Canal and Panama Railroad quarters on July 31, 1926, totaled 20,382, of whom 6,985 were Americans, 200 Europeans, and 13,197 West Indians. The total number of persons in quarters on July 31, 1925, was 20,191.

WORKING FORCE.

The following tabulation shows the number of gold and silver employees as of July 21, 1926, together with a comparison of the working force for the preceding month, and for July, 1925:

	As of July 21, 1926.			Total employees.	
	Gold.	Silver.	Total.	June, 1926.	July, 1925.
Operation and Maintenance:					
Office	37	35	72	72	68
Electrical	144	173	317	301	360
Municipal Engineering	79	584	663	659	636
Lock Operation	212	626	838	834	806
Dredging	175	863	1,038	1,053	958
Mechanical	415	784	1,199	1,146	1,319
Marine	187	622	809	720	694
Fortifications	14	118	132	132	282
Totals	1,263	3,805	5,068	4,917	5,123
Supply Department:					
Quartermaster	183	1,536	1,719	1,700	1,305
Subsistence	8	96	104	108	97
Commissary	205	991	1,196	1,175	1,106
Cattle Industry	7	288	295	333	251
Hotel Washington	8	88	96	96	98
Transportation	48	202	250	249	217
Totals	459	3,201	3,660	3,661	3,074
Accounting Department	203	8	211	206	206
Health Department	232	766	998	1,028	915
Executive Department	491	236	727	787	710
Totals	926	1,010	1,936	2,021	1,831
Panama Railroad:					
Superintendent	47	218	265	264	255
Transportation	66	113	179	177	173
Receiving and Forwarding Agent	85	945	1,030	1,504	1,124
Coaling station	49	278	327	275	302
Totals	247	1,554	1,801	2,220	1,854
Grand totals, July, 1926	2,895	9,570	12,456	....	....
Grand totals, June, 1926	2,879	9,940		12,819	....
Grand totals, July, 1925	2,867	9,015	....	....	11,882

VITAL STATISTICS.

A total of 141 deaths occurred during the month of July, 1926, among the population of the Canal Zone, and the cities of Panama and Colon, which is equivalent to an annual death rate of 13.22 per thousand. The leading causes of death were: tuber-

culosis (various organs), 25; pneumonia (broncho and lobar), 17; nephritis (acute and chronic), 8; organic diseases of the heart, 10; and diarrhea and enteritis, 19.

There were 5 deaths from apoplexy, 3 from cancer, and 1 death from whooping cough. There were 8 deaths among nonresidents of the Isthmus; these are not included in the above statistics.

There were 266 live births reported during the month, and 10 stillbirths. Including stillbirths, this is equivalent to an annual birth rate of 25.89 per 1,000 population. Deaths among children under 1 year of age numbered 32, giving an infant mortality of 120.30 per thousand live births.

The total number of malaria cases reported from the Zone and the cities of Panama and Colon during July was 282, of whom 26 were employees (7 white and 19 colored), 33 were members of employees' families (7 white and 26 colored), 51 were other civilian nonemployees, and 172 were Army and Navy personnel. Nineteen of the 59 employees and members of their families were probably infected outside our sanitated areas, as they gave a history of working, living, or having been in such areas at night previous to their becoming sick.

There was one death from malaria, the individual being a resident of the city of Panama.

RECEIPTS AND SALES OF MATERIALS AND SUPPLIES.

The value of material ordered on United States requisitions and received on the Isthmus during the month totaled $525,421.08, of which $427,212.21 was for the Department of Operation and Maintenance, and $8,187.21 for other Panama Canal departments.

Cash sales on the Isthmus from stock, fuel oil, scrap, and obsolete and second-hand material amounted to $35,868.96.

FINANCIAL STATEMENT.

The following statement shows in a condensed form the aggregate revenues and expenditures for the month of June, 1926, as compared with June, 1925, together with figures for the fiscal year 1926, as compared with the fiscal year 1925.

It is impossible to submit the figures for the month of July at the time of writing this report, since all the charges, etc., involved in the accounting have not been completed.

	Month.		Fiscal year.	
	June, 1926.	June, 1925.	This year.	Last year.
Tolls	$1,852,711.01	$1,656,138.70	$22,927,456.03	$21,374,664.12
Other receipts	293,039.68	267,267.28	3,262,825.96	3,374,621.52
Total transit revenues	2,145,750.69	1,923,405.98	26,190,281.99	24,749,285.64
Total transit expenses	1,082,810.32	1,022,834.06	11,038,613.93	11,283,360.92
Net transit expenses	1,062,940.37	900,571.92	15,151,668.06	13,465,294.72
Three per cent capital charge	610,705.02	609,797.51	7,348,293.04	7,294,554.47
Transit surplus	452,235.35	290,774.41	7,803,375.02	6,171,370.25
Business revenues	1,444,197.03	1,633,597.96	15,874,478.01	14,564,114.93
Business expenses	1,404,543.10	1,617,991.85	15,033,167.72	13,798,196.08
Net business revenues	39,653.93	15,696.11	841,310.29	765,916.85
Three per cent capital charge	55,636.03	52,771.63	702,873.27	696,778.35
Business surplus	15,982.10	37,075.52	138,437.02	69,138.50
Combined revenue	3,589,947.72	3,557,003.94	42,064,760.00	39,313,400.57
Combined expenses	2,487,353.42	2,640,735.91	26,071,781.65	25,081,559.00
Combined net revenues	1,102,594.30	916,268.03	15,992,978.35	14,231,841.57
Three per cent capital charge	666,341.05	662,569.14	8,051,166.31	7,991,332.82
Combined surplus	436,253.25	253,698.89	7,941,812.04	6,240,508.75

Respectfully,

M. L. WALKER,

Governor.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending August 21, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Aconcagua	Chilean Line	August 12	August 12	.....	98
Smaragd	United Fruit Co	.....	August 15	.....	460
Arana	Pacific Steam Nav. Co		August 15	.....	200
Magellan	Pacific Steam Nav. Co	August 15	August 15	(1)	85
Parismina	United Fruit Co	August 15	August 15	493	34
Toloa	United Fruit Co	August 15	August 15	8	(2)
Maravi	United Fruit Co	August 15	August 17	289	845
Acajutla	Pacific Steam Nav. Co	August 15		305	.....
Atto	Roland Line	August 15	August 17	208	(2)
Santa Luisa	Grace Line	August 15	August 16	(1)	4
Roland	Roland Line	August 16	August 17	60	(2)
Anatolia	Roland Line	August 16	August 17	(1)	228
Calamares	United Fruit Co	August 16	August 18	280	7
Smaland	Colombian Transport Co	August 16	August 19	1,048	1,197
Atrato	Colombian Transport Co	August 16	August 19	136	145
Atenas	United Fruit Co	August 17	August 19	1,641	166
Itauri	Kosmos Line	August 17	August 18	(1)	127
Bologna	Italian Line	August 17	August 18	11	335
London Shipper	Pacific-Furness Line	August 17	August 18	(3)	536
Ancon	Panama Railroad S. S. Line	August 18		3,500	.....
Parismina	United Fruit Co	August 18	August 18	5	53
Tivives	United Fruit Co	August 18	August 19	263	780
Chiman	National Navigation Co	August 18	August 21	206	314
Piave	Nav. Libera-Triestina	August 18	August 19	105	(2)
Alkmaar	Royal Dutch W. I. Mail	August 18	August 19	541	304
Toyama Maru	Nippon Yusen Kaisha	August 18	August 19	112	(2)
Envoy	A. K. Wilson	August 19	August 19	.....	17
Virginia	Standard Fruit S. S. Co	August 19	August 20	164	¾
Sachsen	Hamburg-American Line	August 19	August 20	(1)	175
Santa Marta	United Fruit Co	August 19	August 19	¼	333
Stella	Panama Mail S. S. Co	August 20		1,027	.....
Lochmonar	Pacific Steam Nav. Co	August 20	August 21	178	65
Negada	Kosmos Line	August 21		12	.....
Virginia	Standard Fruit S. S. Co	August 21	August 21	(1)	135
Axel Johnson	Johnson Line	August 21	August 21	(1)	274
Cliona	Anglo-Saxon Petroleum Co	August 21		7,591	.....
Limon	United Fruit Co	August 21	August 21	159	66
Ebro	Pacific Steam Nav. Co	August 19	August 20	659	179

[1] No cargo discharged. [2] No cargo laded. [3] 100 pounds.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Two Weeks Ending August 21, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Sigdal	Colombian Transport Co	August 8	August 8	(1)	223
Coalinga	Anglo-Saxon Petroleum Co	August 8	August 9	11,000	(2)
Noorderdijk	Holland-American Line	August 9	August 9	5	(2)
Corinto	Panama Mail S. S. Co	August 9	August 9	23	(2)
Ecuador	Panama Mail S. S. Co	August 10	August 11	6	(2)
Colombian	Panama Mail S. S. Co	August 12	August 13	369	148
Garfield	Grace Line	August 11	August 11	(1)	2
Sirius	U. S. Government	August 13	August 14	9	18
President Garfield	Dollar Line	August 13	August 13	(1)	45
Acajutla	Pacific Steam Nav. Co	August 14	August 14	1	(2)
Toyama Maru	Nippon Yusen Kaisha	August 18	August 18	106	(2)
Corinto	Panama Mail S. S. Co	August 15	August 15	(1)	5
Stella	Panama Mail S. S. Co	August 19	August 20	4	31
Piave	Nav. Libera-Triestina	August 20	August 21	45	(2)

[1] No cargo discharged. [2] No cargo laded.

Sale of Obsolete Equipment.

The Panama Canal offers for sale to the highest bidders a number of items of obsolete equipment, including a steam towboat or launch and a ladder dredge. Sealed bids will be received in the offices of the General Purchasing Officer, the Panama Canal, Washington, D. C., and the Chief Quartermaster, The Panama Canal, Balboa Heights, Canal Zone, up to 10.30 a. m., September 18, 1926, and then opened. Forms of proposal with full particulars, Circular 1751, may be had upon application to the above-mentioned offices.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, August 21, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Corinto	9	20 06	15	5 57	15	13 42	15	18 21	American	Panama Mail S. S. Co.	261 1	49 0	15 6	Cristobal, C. Z.	San Francisco, Cal.	General	1,759	2,352	1,549
Pacific	15	5 15	15	6 20	15	14 32	15	20 12	American	Argonaut S. S. Line	399 7	56 2	25 0	New York, N. Y.	Seattle, Wash	General, steel	7,924	6,517	4,723
Nordhval [2]	15	1 00	15	7 55	15	15 08	15	19 10	Danish	Norden S. S. Co	380 0	53 9	14 6	Bremerhaven, Ger	San Pedro, Calif.	Ballast		6,194	4,467
Defender	15	8 14	15	8 30	15	15 36	15	16 53	British	T. and J. Harrison	482 0	58 0	22 6	Liverpool, England	San Francisco, Cal.	Gen., mang. ore.	3,079	8,844	6,144
Point Fermin	15	8 45	15	9 10	15	17 31	16	1 45	American	Swayne and Hoyt	324 0	46 2	24 0	New Orleans, La	Los Angeles, Calif.	General	4,518	3,984	2,617
Arana	14	15 10	15	9 00	15	16 58	15	18 10	British	Pacific Steam Nav. Co	303 0	43 0	19 8	New York, N. Y.	Guayaquil, Ecuad.	General	2,670	2,851	1,697
Smaragd	14	12 55	15	9 47	15	16 55	15	16 55	Norwegian.	United Fruit Co	225 0	33 3	13 5	Mobile, Ala	Gatun, C. Z.	Bananas	171	1,179	661
Bohemian Club [1]	15	9 37	15	10 00	15	17 33	15	18 44	American	Atlantic Refining Co	425 0	57 2	19 5	Fall River, Mass	San Pedro, Calif	Ballast		7,204	4,769
W. M. Burton [1]	15	9 45	15	10 55	15	18 05	15	19 27	American	Atlantic Refining Co	435 0	55 0	22 6	Philadelphia, Pa.	Los Angeles, Calif	Ballast		7,388	5,424
Peter Kerr	15	19 00	16	6 15	16	13 00	16	14 05	American	United American Lines	415 0	55 7	21 0	Savannah, Ga.	Portland, Oreg	General	4,000	7,704	5,707
Swiftlight [1]	15	22 30	16	6 25	16	14 10	16	17 35	American	C. D. Mallory & Co., Inc.	454 0	60 0	18 3	New York, N. Y.	Los Angeles, Calif	Ballast		8,473	6,050
Sujerseyco	15	23 50	16	7 40	16	15 07	16	16 10	American	Transmarine Lines.	324 0	46 2	21 6	Newark, N. J	Los Angeles, Calif	General	2,600	3,984	2,628
City of Manila	16	5 50	16	8 15	16	15 36	17	7 28	British	Norton, Lilly & Co.	475 0	58 2	23 6	New York, N. Y	Sydney, Australia.	General	6,287	9,677	7,504
Leikanger.	16	3 09	16	10 15	16	17 08	16	22 00	Norwegian.	Westfal, Larsen & Co	375 0	52 3	20 0	River Plate, Arg'ta	San Pedro, Calif	General	5,470	5,953	4,354
Cumberland.	16	6 40	16	11 30	16	19 23	16	20 45	British	Federal Steam Nav. Co.	520 0	64 2	27 7	Bristol, England.	Auckland, N. Z.	General	8,536	12,930	9,300
City of Newcastle	16	7 50	16	13 30	16	20 30	16	21 32	British	Ellerman-Bucknall Line	456 5	56 4	24 0	New York, N. Y	Auckland, N. Z.	General	5,298	8,319	6,288
Atto	15	22 47	17	6 10	17	14 32	17	15 45	German	Roland Line	360 0	51 0	18 3	Bremen, Germany	Champerico, Guat	General	2,931	4,805	3,400
Anatolia	16	6 05	17	6 25	17	14 59	17	16 00	German	Roland Line	316 0	46 10	24 3	Hamburg, Germany	Buenaventura, Col.	General	3,986	3,509	2,463
Malakand	16	16 00	17	6 14	17	15 37	17	16 45	British	Com'lth. & Dom. Line	470 0	58 3	25 6	Philadelphia, Pa.	Sydney, Australia.	General	5,291	8,250	5,631
Amerikaland [2]	16	16 25	17	7 30	17	16 53	17	18 00	Swedish	Ore S. S. Corp.	551 0	72 0	24 0	Baltimore, Md	Cruz Grande, Chile	Ballast		15,569	4,496
Samuel Q. Brown	16	18 55	17	7 40	17	17 45	17	18 51	American.	Tidewater Oil Co	424 4	58 2	19 0	New York, N. Y	Los Angeles, Calif.	Ballast		7,333	5,183
Willsolo	16	22 55	17	8 30	17	16 57	17	18 17	American	Williams S. S. Co	435 0	57 7	24 0	Baltimore, Md	Seattle, Wash	Coal, general	6,561	7,973	5,882
Centaurus	17	00 50	17	8 48	17	17 52	17	21 59	American	Isthmian S. S. Lines	449 8	54 2	25 0	New York, N. Y	Vancouver, B. C.	General, steel	7,315	6,581	4,795
Sabine Sun.	17	1 40	17	9 40	17	18 34	17	19 38	American	Sun Oil Co	429 3	59 2	18 0	Chester, Pa	Los Angeles, Calif	Ballast		7,621	5,277
S-44 [3]	..		17	10 10	17	19 21			American	U. S. Navy	225 0	28 0		Cristobal, C. Z	Balboa, C. Z	Ballast			
S-45 [3]	..		17	10 10	17	19 21			American	U. S. Navy	225 0	28 0		Cristobal, C. Z	Balboa, C. Z	Ballast			
Strudsholm	15	22 40	17	10 15	17	22 45	17	23 55	Norwegian.	Mathiesen Haugesande	228 1	33 1	16 7	Oslo, Norway	Valparaiso, Chile	Dynamite.	1,019	1,309	732
Cerro Ebano	17	1 55	17	11 05	17	20 09	17	21 20	American	Pan-Amer. Pet. & Tr. Co.	480 5	66 0	20 6	New Orleans, La	San Pedro, Calif	Ballast		9,398	6,453
W. S. Rheem [1]	17	2 50	17	11 50	17	21 14	18	1 05	American	Standard Oil Co	530 0	68 0	17 0	New York, N. Y	San Pedro, Calif.	Ballast		11,224	7,895
Inverurie [1]	17	6 50	17	12 25	17	22 00	17	23 05	British	British-Mexican Pet Co	412 6	55 8	17 9	Southampton, Eng.	San Pedro, Calif.	Ballast		7,108	4,434
Myrtle	17	12 25	17	13 30	17	23 32	18	3 52	American	Columbia Pac. Ship. Co	419 6	54 0	21 0	Philadelphia, Pa.	Portland, Oreg	Steel, general	4,237	6,755	4,895
Lakeland [4]	..		17		17	12 53			American	N. L. Parker				Cristobal, C. Z	Gatun, C. Z	( )		4	4
Capt. W. H. Wilhelm [5]			17	.	17	12 53		. .	American.	E. J. Hooper				Cristobal, C. Z	Gatun, C. Z	Ballast		12	12
London Shipper	17	6 25	18	6 00	18	14 05	18	15 00	British	Furness, Withy & Co	459 0	58 0	18 0	Glasgow, England	Vancouver, B. C.	Gen., bananas.	1,774	8,662	6,099
Bjornstjerne Bjornson	17	17 35	18	7 25	18	15 00	18	16 05	Norwegian	Andrew Weir & Co	410 0	54 0	25 4	Tampa, Fla	Freemantle, Aust	Phosphate	8,000	6,304	4,752

[1] Tanker. [2] Motor ship. [3] Submarine. [4] Launch. [5] And return to Mobile, Ala. [6] Towing launch *Capt. W. H. Wilhelm.*

Invergordon [1]	17	19.55	18	8.28	18	16.04	18	17.05	British	British-MexicanPet.Co.	412.9	55.6	18.2	Liverpool, England	San Pedro, Calif.	Ballast		7,116	4,433
Columbian	17	21.15	18	9.45	18	16.52	18	17.50	American	Amer.-Hawaiian Line	404.6	53.9	21.0	New York, N. Y.	Los Angeles, Calif.	General	3,796	6,760	4,450
Lillian Luckenbach	17	22.25	18	10.44	18	17.20	18	18.15	American	Luckenbach Line	448.9	60.2	25.4	Boston, Mass.	Tacoma, Wash	General	6,400	9,294	6,865
Sangstad [2]	17	22.55	18	12.10	18	18.40	18	19.42	Norwegian	Fern Line	382.7	53.4	25.2	Houston, Tex.	Yokohama, Japan.	Cotton, phosphate.	7,250	6,100	4,240
Nordvard [2]	18	6.25	18	13.05	18	19.42	19	1.50	Norwegian.	Klosters Rederi A.S.	375.7	53.8	24.0	New Orleans, La.	Wellington, N. Z.	Case oil, general.	6,566	6,108	4,358
Atrato [7]	16	19.15	19	6.15	19	14.18	20	15.45	Colombian	Colombian Transp. Co	94.2	24.0	9.0	Cristobal, C. Z.	Tumaco, Colombia.	General	145	160	92
Red Bird	19	2.15	19	6.45	19	14.21	19	15.30	American	Red Bird S. S. Co	324.0	46.2	22.0	Philadelphia, Pa.	Seattle, Wash	General	4,000	3,965	2,573
Queen Maud	19	00.20	19	7.45	19	15.17	19	16.30	British	Thomas Dunlop & Sons	400.2	52.3	23.0	Montreal, Canada	Auckland, N. Z.	General	5,166	5,748	3,955
Queen Eleanor	19	00.25	19	8.50	19	15.47	19	16.50	British	Frider, Anderson & Co	400.3	52.3	19.0	Newport News, Va	Brisbane, Australia.	General	4,500	5,808	4,054
W. L. Steed [1]	19	6.15	19	10.10	19	16.57	19	18.00	American	Mexican Petroleum Co.	431.0	56.0	21.0	New York, N. Y	Los Angeles, Calif.	Ballast		6,751	4,795
Gargoyle [1]	19	8.35	19	11.00	19	18.20	19	19.35	American	Vacuum Oil Co	425.0	57.2	19.0	Paulsboro, N. J.	Richmond, Calif.	Ballast		7,510	4,989
Smaland [2]	16	13.30	19	13.50	19	20.32	19	21.42	Swedish	Colombian Transp. Co.	185.0	30.0	15.3	Cristobal, C. Z.	Buenaventura, Col.	General	1,152	854	483
Gen. G. W. Getty [8]			19	8.00	19				American	U. S. Army	89.0	22.0		Cristobal, C. Z	Pedro Miguel, C. Z.	Ballast			
Piave	18	20.18	20	6.10	20	15.34	21	11.46	Italian	Nav. Lib.-Triestina	450.0	57.0	22.3	Venice, Italy	Vancouver, B. C.	General	4,237½	7,706	5,214
Atreus	20	8.00	20	8.15	20	15.44	20	17.05	British	Alfred Holt & Co.	443.5	52.8	23.0	New York, N. Y.	Yokohama, Japan.	(9)	2,318	6,942	4,849
Alkmaar	18	14.30	20	11.55	20	18.59	21	00.35	Dutch	Royal Neth. W. I. Mail	456.0	63.0	20.0	Hamburg,Germany	Valparaiso, Chile	General	4,257	9,505	6,644
Eastern Planet	20	12.00	20	12.25	20	20.10	21	10.15	American	Roosevelt S. S. Co	384.8	51.2	22.0	New York, N. Y	Adelaide, Australia.	Case oil, general	2,606	6,235	4,480
Hans Leonhardt [2]	20	11.55	20	13.50	20	21.07	21	4.10	German	Leonhardt & Blumberg.	231.0	36.0	16.0	Hamburg,Germany	Buenaventura, Col.	Salt and beer	1,740	1,568	909
Killerig [8]	20	14.05	20	14.12	20	21.04	21	2.10	British	Lindsay, Swan & Hunter	160.0	30.0	13.0	Kingston, Jamaica.	Buenaventura, Col.	Ballast		575	152
Anayasis [1]			20		20	13.45			Panaman.	Panaman Government.				Cristobal, C. Z	Gatun, C. Z	Ballast			
Ebro	19	17.37	21	6.04	21	13.18	21	14.15	British	Pacific Steam Nav. Co	450.0	57.0	26.6	New York, N. Y	Talcahuano, Chile	General	3,536	9,291	6,301
Chiman [2]	18	16.45	21	6.25	21	14.25	21	16.00	Panaman	National Nav. Co.	116.0	21.1	9.0	Cristobal, C. Z	Buenaventura, Col.	General	314	211	124
Lochmonar [2]	20	9.20	21	7.25	21	14.15	21	15.25	British	Royal Mail S. P. Co	485.0	62.0	22.0	Rotterdam, Holl.	Vancouver, B. C.	General	2,695	10,766	7,512
Mericos H. Whittier [1]	20	23.05	21	8.35	21	14.56	21	16.09	American	Associated Oil Co.	435.6	56.2	20.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,426	5,128
Svealand [2]	21	3.30	21	9.50	21	17.03	21	18.05	Swedish	Ore S. S. Corp	561.1	72.2	24.0	Baltimore, Md	Cruz Grande, Chile	Ballast		15,425	4,421
James McGee [1]	21	6.35	21	10.50	21	18.12	21	19.26	American	Standard Oil Co	499.1	63.2	18.0	Charleston, S. C.	Talara, Peru	Ballast		10,964	7,909
Watertown [1]	21	8.10	21	12.10	21	13.58	21	29.03	American	Cities Serv. Transp. Co.	416.9	56.2	19.0	Philadelphia, Pa.	San Pedro, Calif.	Ballast		6,706	4,766

[1] Tanker. [7] Motor schooner. [8] Tug.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

[9] Tobacco, oil, sulphate, ammonia, and general.

Acajutla	14	14.38	15	6.16	15	13.30	22	7.45	British	Pacific Steam Nav. Co.	215.7	33.5	14.0	Champerico, Guat	Cristobal, C. Z	General	305	1,273	706
Julia Luckenbach	14	19.00	15	7.20	15	14.35	15	14.35	American	Luckenbach Line	436.61	57.25	25.0	Seattle, Wash	Mobile, Ala	General	5,241	8,543	6,492
Magellan	15	00.50	15	8.19	15	15.45	15	23.00	British	Pacific Steam Nav. Co.	461.6	59.3	26.6	Talcahuano, Chile	Liverpool, England	General	8,541	8,817	6,063
Collegian	15	1.15	15	8.36	15	16.30	15	22.15	British	Harrison Line	455.4	56.25	25.6	San Francisco, Cal.	London, England	General	8,590	7,712	5,437
Algonquin [1]	15	1.30	15	9.18	15	16.42	15	16.42	American	Standard Transp. Co.	435.0	56.0	26.6	San Pedro, Calif.	New York, N. Y	Gas oil	9,886	7,602	5,337
Port Melbourne	15	2.00	15	9.49	15	18.05	15	20.50	British	Cunard Line	501.35	63.35	22.10	Wellington, N. Z	London, England.	General	4,241	11,861	9,065
Hazel Branch	15	2.15	15	10.07	15	18.20	15	18.20	British	F. and W. Ritson.	409.4	51.2	21.0	Corral, Chile	Liverpool, England	General	5,081	5,208	3,578
Agnete Maersk.	15	3.20	15	10.25	15	18.55	15	23.40	Danish	Tobrandtsen Moller.	277.0	42.0	18.4	Guaymas, Mexico	Bilbao, Spain.	Peas in bags	2,980	2,646	1,829
West Keats	15	5.35	15	11.26	15	19.35	15	19.35	American	Calif. & East. S. S. Co.	410.5	51.3	24.6	Portland, Oreg	Baltimore, Md.	Lumber	6,806	6,572	4,900
Munindies	15	8.40	15	12.22	15	19.55	15	19.55	American	Munson S. S. Line	370.0	53.1	24.6	Portland, Oreg	Philadelphia, Pa.	Lumber	6,000	5,525	4,097
Smaragd			15		15	16.55	15	16.55	Norwegian.	United Fruit Co.	225.0	33.0		Gatun Lake, C. Z.	Mobile, Ala.	Bananas	171	1,179	661
Smaland [2]	15	17.00	16	6.30	16	13.30	19	13.50	Swedish	Cia Col. de Com. and Transportes.	184.6	39.11	14.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee, hides	1,048	854	483

[1] Tanker.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Roland	15	19 39	16	7 06	16	15 00	17	00 00	German	Roland Line	360.63	51.04	22.3	Valparaiso, Chile	Antwerp, Belgium	General	5,324	4,791	3,374
Saint Loui	16	5 50	16	7 59	16	15 59	16	18 25	French	French Line	415.0	50.0	22.0	Talcahuano, Chile	Havre, France.	General	4,463	5,857	4,166
Portgwarra	16	6 09	16	9 07	16	17 10	16	17 10	British	Ardmore Coal & S.S. Co.	380.0	52.0	24.6	Caleta Bueno, Chile	Norfolk, Va	Nitrate of soda.	7,590	5,528	4,159
London Importer	16	9 45	16	10 25	16	17 59	17	00 32	British	British Arg. S. Nav. Co.	465.0	57.9	28.0	Vancouver, B. C.	Glasgow, Scotland	General	7,696	8,405	5,855
Atrato [10]	16	1 00	16	11 39	16	19 15	19	6 15	Colombian.	Colombian Transp. Co	91.0	23.0	7.0	Buenaventura, Col.	Cristobal, C. Z	Coffee, cocoa	136	169	92
Santa Luisa	16	9.12	16	12 30	16	19 08	16	23 30	American	Grace Line	361.2	51.6	22.9	Talcahuano, Chile.	New York, N. Y.	General	2,868	5,710	3,998
Montauk	16	14 29	16	15 07	16	22 24	16	22 24	American.	Dollar Line	419.5	56.5	29.0	Seattle, Wash	Norfolk, Va	General, lumber	10,663	8,696	6,316
Pethore	16	17 41	17	6 06	17	17 25	17	17 25	American.	Ore S. S. Corp	550.3	72.2	34.0	Cruz Grande, Chile	New York, N. Y	Iron ore	19,803	15,476	4,354
Pennsylvania Sun [1]	16	18 24	17	7 24	17	17 45	17	17 45	American	Sun Oil Co	480.5	66.0	28.2	Los Angeles, Calif.	New York, N. Y.	Gas oil	12,775	9,325	6,383
Bologna	17	2 00	17	7 52	17	15 55	18	10 40	Italian	Italian Line	384.91	46.71	22.2	Valparaiso, Chile	Genoa, Italy	General	2,639½	5,531	3,774
S. C. T. Dodd [1]	16	19.35	17	8 31	17	18.30	17	18 30	American.	Standard Oil Co., of Cal.	435.0	57.0	30.6	San Pedro, Calif.	Fall River, Mass.	Crude oil	10,474	7,481	4,975
Frederic R. Kellogg [1]	17	3 40	17	9 33	17	18 45	17	18 45	American	Pan-Amer. Pet. & Tr. Co.	425.8	57.0	27.5	Los Angeles, Calif	New York, N. Y.	Fuel oil	10,003	7,178	4,963
Dryden	17	6 18	17	9 49	17	19 55	17	19 25	American	American-Pioneer Line.	434.3	57.7	14.6	Shanghai, China.	New Orleans, La	Ballast	...	7,983	5,882
Itauri	17	9 25	17	10 15	17	20 20	18	18 08	German	Kosmos Line	458.0	55.6	24.6	Coronel, Chile.	Hamburg, Germany	General	7,963	7,004	5,017
S-42 [11]			17	10 40	17	20 20			American.	U. S. Navy				Balboa, C. Z	Cristobal, C. Z				
Paris City	17	11.10	17	11 58	17	21 10	18	11 25	British	Wm. Reardon Smith	412.0	55.0	25.9	Vancouver, B. C.	New York, N. Y.	Lumber	6,599	6,673	4,764
Devon	17	13 25	17	14 07	17	23 15	18	2 45	British	N. Z. Shipping Co	473.3	60.0	26.6	N. Plymouth, N. Z.	London, England	Frozen, general.	5,009	9,951	6,801
Sunbeam [1]	17	13 55	18	6 08	18	14.00	18	14 00	American	Sun Oil Co	429.3	59.2	26.6	San Pedro, Calif	Jacksonville, Fla	Gasoline	9,683	7,709	5,481
W. M. Irish [1]	17	15 20	18	7 08	18	15 15	18	15 15	American.	Atlantic Refining Co	435.0	56.0	28.0	Los Angeles, Calif	Philadelphia, Pa.	Gasoline.	9,440	7,387	5,443
Katrina Luckenbach	17	18 05	18	8 15	18	16.30	18	16.30	American	Luckenbach Line	446.0	56.17	27.6	Seattle, Wash	Boston, Mass	Lumber, general.	8,263	8.508	6,179
Chiman [10]	17	15 40	18	8 25	18	16 45	21	6 25	Panaman	National Nav. Co	116.0	21.0	9.6	Buenaventura, Col.	Cristobal, C. Z	Coffee, hides	296	211	124
Mongolia	17	16.05	18	9 09	18	17 10	18	17 40	American	Panama-Pacific Line	600.0	65.3	31.8	San Francisco, Cal	New York, N. Y	General	7,699	17,041	11,426
Port Pirie	18	5.45	18	10 09	18	18.09	18	20 15	British	Com'lth & Dom. Line.	470.1	58.4	24.0	Dunedin, N. Z	London, England	Frozen, general.	4,340	9,381	6,915
S-43 [11]			18	11 40	18	18 20			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
Pennsylvanian	18	12 05	18	13 35	18	19 45	18	23 50	American.	Amer.-Hawaiian Line	497.7	53.7	24.0	Portland, Oreg	Boston, Mass	General	4,359	7,107	4,989
Toyama Maru	18	19 05	18	14.14	18	21 25	19	1 19	Japanese.	Nippon Yusen Kaisha.	445.0	58.0	22.00	Kobe, Japan	Boston, Mass	General	8,120	7,815	5,620
Josette [12]			18		18				American	W. A. Sprague				Balboa, C. Z	Gatun Lake, C. Z.	Ballast		2	2
Sachsen	18	18 45	19	6 19	19	14 05	20	9 55	German	Hamburg-Amer. Line	468.55	58.25	27.6	Seattle, Wash	Hamburg, Germany	General	10,281	9,624	6,732
Australien [10]	18	22 47	19	9 14	19	16 59	19	19 27	Danish	East Asiatic Co	413.0	55.0	28.0	Portland, Oreg	Copenhagen, Den.	General	8,930	7,031	5,338
Thalia [10]	19	11 45	20	6 20	20	14 00	20	14 00	Danzig	Balti.-Amer. Pet. Co.	469.5	63.0	26.9	San Pedro, Calif.	Hamburg, Germany	Naptha	11,351	9,018	5,929
Steelore	20	6 10	20	7 11	20	18 10	20	18 10	American.	Ore S. S. Corp	550.3	72.2	33.06	Cruz Grande, Chile	Baltimore, Md	Iron ore, bulk	20,000	15,551	4,397
Yorba Linda	19	15 15	20	7 38	20	15 50	20	15 50	American	General Pet. Corp	435.0	56.2	27.0	Los Angeles, Calif	Baltimore, Md	Gasoline	8,858	7,424	5,077
Lubrafol [10]	19	22.00	20	8 27	20	18 17	20	18 17	Belgian	Societe Anonyme Industrie de Commerce.	457.0	67.0	27.3	San Francisco, Cal.	Antwerp, Belgium	Lubricating and gas oil.	9,408	7,615	4,976
Cleveland [13]			20	8 48	20	17 15	20	21 55	American	U. S. Navy	292.0	44.0	17.6	Balboa, C. Z.	Cristobal, C. Z.				

[1] Tanker. [10] Motor ship. [11] Submarine. [12] Commercial launch. [13] Light cruiser.

Cardiganshire	20	8.47	20	9.53	20	19.10	21	1.49	British	Royal Mail S. P. Co.	590.35	62.14	27.6	Vancouver, B. C.	Rotterdam, Holl	General	8,920	11,420	8,385
Ramses [10]	20	7.00	20	12.33	20	19.25	21	5.30	German	Kosmos Line	481.52	62.7	25.4	Valparaiso, Chile	Hamburg, Germany	General	10,217	10,424	7,771
Stella	19	11.45	20	14.16	20	21.45	23	12.25	Norwegian	Panama Mail S. S. Co.	195.1	32.9	13.10	Champerico, Guat	Cristobal, C. Z.	General	1,027	985	606
Sudbury	19	22.45	20	14.58	20	22.50	20	22.50	American	United-American Lines	384.8	51.2	23.6	Bellingham, Wash	Baltimore, Md	General, lumber	5,600	5,609	4,033
Hillglade	20	17.30	21	6.19	21	14.27	21	16.00	British	McNeil & Jones	270.0	38.0	12.0	Tumaco, Colombia	New Orleans, La	Ballast		20,20	1,080
Relay [12]	14	7.30	21	6.43	21	14.35	22	18.05	American	All-America Cables	249.0	32.6	16.6	Callao, Peru	Cristobal, C. Z.	Ballast		1,291	675
Susan Maersk	20	19.00	21	7.08	21	15.45	21	16.50	Danish	Isbrandtsen Moller	291.2	41.2		La Paz, Mexico	Galveston, Tex.	Ballast		2,586	1,827
Wiegand	20	20.20	21	7.56	21	15.48			German	Roland Line (A. G.)	393.2	54.3	25.19	Paita, Peru	Hamburg, Germany	General	7,459	6,573	4,629
Invergoil [1]	20	22.45	21	9.18	21	17.14	21	21.47	British	British-Mexican Pet. Co.	412.6	55.8	28.4	San Pedro, Calif.	Southampton, Eng.	Fuel oil	8,710	7,099	4,450
Kosmos	18	19.35	21	10.14	21	17.25	21	17.25	Honduras	Standard Fruit S. S. Co.	185.0	25.3	10.0	Salina Cruz, Mexico	Ceiba, Honduras	Ballast		659	425
Axel Johnson [10]	21	6.15	21	11.25	21	19.0	22	1.15	Swedish	Johnson Line	392.09	52.61	25.8	Seattle, Wash.	London, England	(15)	5,940	6,642	4,860
Laurel	21	4.10	21	12.03	21	19.30	21	19.35	American	Col.-Pac. Shipping Co	419.6	54.0	25.2	Portland, Oreg	New London, Conn.	(16)	7,852	6,756	5,171
Hegira	21	12.53	21	13.56	21	20.55	21	20.55	American	Hegira S. S. Co.	457.0	56.0	27.0	Everett, Wash	Baltimore, Md	Lumber	7,060	8,342	6,108

[1] Tanker. [12] Cable ship. [15] Wheat, barley, and fruit. [16] Lumber, and ammonia drums. Hours are expressed on the 24-hour basis and all hours greater than 12 are post meridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
August 15	Parismina	United Fruit Co	New Orleans via Habana.	August 15	Toloa	United Fruit Co	New York via Habana.
August 15	Toloa	United Fruit Co	Port Limon, Costa Rica.	August 15	Parismina	United Fruit Co	Bocas del Toro, R. P.
August 15	Maravi	United Fruit Co	New York via wayports.	August 17	Maravi	United Fruit Co	New York.
August 16	Calamares	United Fruit Co	New York via Habana.	August 18	Parismina	United Fruit Co	New Orleans via Habana.
August 17	Atenas	United Fruit Co	New Orleans via Habana.	August 18	Cavina	Elders & Fyffes Line	Port Limon, Costa Rica.
August 18	Parismina	United Fruit Co	Bocas del Toro, R. P.	August 18	Camito	Elders & Fyffes Line	Santa Marta, Colombia.
August 18	Ancon	Panama Railroad S. S. Line	New York via Haiti.	August 18	Calamares	United Fruit Co	Port Limon, Costa Rica.
August 18	Cavina	Elders & Fyffes Line	Bristol via wayports.	August 19	Tivives	United Fruit Co	Colombian ports.
August 18	Camito	Elders & Fyffes Line	Avonmouth, England.	August 19	Santa Marta	United Fruit Co	New York via Kingston.
August 18	Tivives	United Fruit Co	New York via Kingston.	August 19	Atenas	United Fruit Co	New Orleans via wayports.
August 19	Envoy [17]	A. K. Wilson	Colon, R. P.	August 19	Envoy [17]	A. K. Wilson	Bluefields, Nicaragua.
August 19	Santa Marta	United Fruit Co	Colombian ports.	August 20	Virginia	Standard Fruit S. S. Co	San Blas, R. P.
August 19	Virginia	Standard Fruit S. S. Co	New Orleans, La.	August 20	Wawa	Standard Fruit S. S. Co	San Blas, R. P.
August 20	Wawa	Standard Fruit S. S. Co	New Orleans, La.	August 21	Cavina	Elders & Fyffes Line	Kingston, Jamaica.
August 21	Cavina	Elders & Fyffes Line	Port Limon, Costa Rica.	August 21	Virginia	Standard Fruit S. S. Co	New Orleans, La.
August 21	Virginia	Standard Fruit S. S. Co	San Blas, R. P.	August 21	Limon	United Fruit Co	New York via Habana.
August 21	Limon	United Fruit Co	New York via wayports.				

[17] Schooner.

PORT OF BALBOA.

August 20	City of Nome	W. H. Moore	Sea.				

* Other than ships passing through the Canal.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Traffic by Nationality for July, 1926.

The following tabulations show the commercial traffic through the Canal during the month of July, 1926, classified according to nationality of vessels, by direction of transit, and the combined traffic in both directions, with corresponding totals for July in 1925, and 1924:

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered. Gross.	Tonnage. Registered. Net.	Tolls.	Tons of cargo.
Belgian	2	8,078	9,029	12,306	7,335	$7,970.22	6,475
British	56	227,002	289,886	367,390	229,033	259,117.38	195,141
Chilean	2	4,902	6,058	8,741	4,793	6,013.60	3,020
Colombian	1	173	172	233	166	206.40	305
Danish	5	13,010	17,463	20,210	12,524	16,192.75	18,842
Danzig	2	10,395	11,857	17,489	10,052	8,537.61	
Dutch [1]	5	17,807	23,689	28,764	17,543	22,627.25	15,203
French	6	18,618	23,329	30,589	18,662	21,607.44	11,251
German	5	13,456	18,679	22,303	13,517	16,465.17	19,282
Italian	3	11,143	14,199	18,111	11,608	13,928.75	7,048
Japanese	6	28,543	33,782	42,555	26,931	35,329.05	35,392
Norwegian	17	37,863	50,269	62,608	37,776	41,799.71	40,028
Panaman	5	2,957	5,415	7,607	5,368	3,641.68	4,857
Peruvian	2	2,504	5,364	7,922	3,941	3,130.00	783
Spanish	1	3,085	3,593	5,205	3,226	3,856.25	147
Swedish	4	11,140	13,722	37,186	13,459	10,987.74	5,403
United States	118	492,136	625,315	796,175	489,818	525,785.75	316,177
Jugo-Slav	1	3,447	4,188	5,168	3,304	4,308.75	7,000
Totals, July, 1926	241	906,259	1,156,000	1,490,562	909,056	1,001,504.93	686,354
Totals, July, 1925	221	797,228	1,018,047	1,298,979	802,601	882,189.13	606,103
Totals, July, 1924	218	851,201	1,063,378	1,365,295	854,493	932,946.62	652,964

[1] Includes Dutch submarine of 737 tons displacement.

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered. Gross.	Registered. Net.	Tolls.	Tons of cargo.
Belgian	1	3,239	4,058	5,166	3,071	$4,048.75	7,052
British	57	217,009	271,112	354,609	219,004	271,016.15	370,283
Chilean	1	3,479	4,672	7,289	3,886	4,348.75	3,406
Colombian	1	173	172	233	166	206.40	252
Danish	2	7,238	9,948	11,364	7,246	9,047.50	16,397
Danzig	1	5,236	6,338	8,956	5,041	6,545.00	11,088
Dutch	3	14,852	19,532	24,311	14,288	18,565.00	28,976
Finnish	1	1,893	1,889	2,039	1,880	2,266.80	3,100
French	6	19,987	26,318	32,818	20,457	24,983.75	37,831
German	10	32,789	45,572	52,488	32,638	40,986.25	57,487
Italian	2	9,326	10,964	14,089	8,635	11,657.50	10.653
Japanese	3	13,096	15,414	19,391	12,760	16,222.70	10,320
Norwegian	5	12,030	16,499	19,904	11,992	15,037.50	26,232
Panaman	5	2,953	5,417	6,410	4,159	3,665.25	2,195
Peruvian	3	4,496	7,606	11,807	6,648	5,620.00	6,421
Spanish	1	2,797	3,634	4,710	3,090	3,496.25	619
Swedish	7	16,973	23,616	36,252	19,284	21,216.25	48,819
United States	105	414,833	521,882	667,469	416.345	515,647.44	849,018
Jugo-Slav	1	3,710	4,178	5,861	3,741	4,637.50	9,024
Totals, July, 1926	215	786,109	998,821	1,285,166	794,331	979,214.74	1,499,173
Totals, July, 1925	197	737,680	933,248	1,205,578	747,357	918,050.71	1,354,551
Totals, July, 1924	204	772,625	972,719	1,243,199	778,066	1,002,349.81	1,444,190

COMBINED TRAFFIC.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered. Gross.	Registered. Net.	Tolls.	Tons of cargo.
Belgian	3	11,317	13,087	17,472	10,406	$12,018.97	13,527
British	113	444,011	560,998	721,999	448,037	530,133.53	565,424
Chilean	3	8,381	10,730	16,030	8,679	10,362.35	6,426
Colombian	2	346	344	466	332	412.80	557
Danish	7	20,248	27,411	31,574	19,770	25,240.25	35,239
Danzig	3	15,631	18,195	26,445	15,093	15,082.04	11,088
Dutch[1]	8	32,659	43,221	53,075	31,831	41,192.25	44,179
Finnish	1	1,893	1,889	2,039	1,880	2,266.80	3,100
French	12	38,605	49,647	63,407	39,119	46,591.19	49,082
German	15	46,245	64,251	74,791	46,155	57,451.42	76,769
Italian	5	20,469	25,154	32,200	20,243	25,586.25	17,701
Japanese	9	41,639	49,196	61,946	39,691	51,551.75	45,712
Norwegian	22	49,893	66,768	82,512	49,768	56.837.21	66,260
Panaman	10	5,910	10,832	14,017	9,527	7,306.93	7,052
Peruvian	5	7,000	12,970	19,729	10,589	8,750.00	7,204
Spanish	2	5,882	7,227	9,915	6,316	7,352.50	766
Swedish	11	28,113	37,338	73,438	32,743	32,203.99	54,222
United States	223	906,969	1,147,197	1,463,644	906,103	1,041,433.19	1,165,195
Jugo-Slav	2	7,157	8,366	11,029	7,045	8,946.25	16,024
Totals, July, 1926	456	1,692,368	2,154,821	2,775,728	1,703,387	1,980,719.67	2,185,527
Totals, July, 1925	418	1,534,998	1,951,295	2,504,557	1,549,958	1,800,239.84	1,960,654
Totals, July, 1924	422	1,623,826	2,036,097	2,608,494	1,632,559	1,935,296.43	2,097,154

[1] Includes Dutch submarine of 737 tons displacement.

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution, away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Transit and Harbor Regulations of The Panama Canal," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective August 25, 1926:

Commodities.	Unit	Price.
Brass, bar, average	Lb.	$0.29
Brass, sheet, average	Lb	.48
Bronze, Tobin, average	Lb.	26
Gasoline, motor grade	Gal	18
Metal, yellow	Lb.	21
Oakum, Navy, spun	Lb.	19
Oakum, Navy, unspun	Lb.	21
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.06
Oil, ammonia, cylinder	Gal	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	48
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	675
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	60
Oil, kerosene, in drums	Gal.	15
Oil, marine engine	Gal	59
Paint, lead, white, dry	Lb.	15
Paint, lead, white, in oil	Lb.	15
Paint, zinc oxide, dry	Lb.	11
Paint, zinc oxide, in oil	Lb.	14
Grease, gear, chain and wire rope, lubricating	Lb	08
Grease, yellow, cup, No. 3	Lb.	09
Grease, yellow, cup, No. 5	Lb.	09
Soda, ash	Lb.	03
Waste, cotton, colored	Lb.	20
Waste, cotton, white	Lb	24

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Location of Patients and Visiting Hours, at Ancon Hospital.

The following table shows the distribution of patients in the Ancon hospital buildings and the visiting hours for the various wards and sections:

Section and Ward.	Visiting Hours.
Section "B:"	
Ward 5, Male, private rooms, American boys	Daily 9.30 to 11 a. m.; 2.00 to 4.30 p. m.; 6.30 to 8.00 p. m.
Ward 6, Foreign, male and female, private rooms, American girls	(No visitors permitted in nursery.)
Ward 7, White female, private rooms	
Ward 8. Obstetrical department, white females (Nursery)	
Section "C:"	
Ward 9, White foreign, male	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p. m.
Ward 11, Colored, male, surgical	
Ward 12, Colored, male, medical, eye and ear	
Ward 13, Colored, male, G. U	
Ward 14, American, male, G. U	
tion "D:"	
Ward 15, American, male, surgical	Tuesdays, Thursdays, and Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m.
Ward 16, American, male, medical, eye and ear	Sundays and holidays, 9.30 to 11 a. m.; 2.30 to 4.30 p. m.
Ward 17, Colored children	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 18, White children	Daily 9.30 to 11 a. m.; 2 to 4 p. m.
Ward 19, Colored, female, medical	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 20, Colored, female, surgical, obstetrical	
Isolation	No visitors permitted except to visit tuberculosis patients, Thursdays, Sundays, and holidays, 1.30 to 3 p. m.

Permission to visit outside of visiting hours will be granted upon application to the Superintendent's Office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge

Sailings of Panama Railroad Steamship Line.

Following are proposed dates of sailings of passenger vessels in the New York-Cristobal service of the Panama Railroad Steamship Line, in which the steamers *Ancon* and *Cristobal* are engaged, sailing alternately:

Steamer.	Leave New York 3 p. m.	Leave Port-au-Prince p. m	Arrive Cristobal a. m.	Leave Cristobal 3 p. m.	Leave Port-au-Prince p. m.	Arrive New York a. m.
Ancon	August 10	August 15	August 18	August 22	August 25	August 30.
Cristobal	August 24	August 29	Sept. 1	Sept. 5	Sept. 8	Sept. 13.
Ancon	Sept. 7	Sept. 12	Sept. 15	Sept. 19	Sept. 22	Sept. 27.
Cristobal	Sept. 21	Sept. 26	Sept. 29	October 3	October 6	October 11
Ancon	October 5	October 10	October 13	October 17	October 20	October 25.
Cristobal	October 19	October 24	October 27	October 31	Nov. 3	Nov. 8.
Ancon	Nov. 3	Nov. 8	Nov. 11	Nov. 15	Nov. 18	Nov. 23.
Cristobal	Nov. 16	Nov. 21	Nov. 24	Nov. 28	Dec. 1	Dec. 6
Ancon	Nov. 30	Dec. 5	Dec. 8	Dec. 12	Dec. 15	Dec. 20.
Cristobal	Dec. 14	Dec. 19	Dec. 22	Dec. 26	Dec. 29	January 3.
Ancon	Dec. 28	Jan. 2	Jan. 5	Jan. 9	Jan. 12	Jan. 17

Due to discontinuance of the daylight saving time, departures after the S. S. *Cristobal*, Sept. 21, will be at 3 p. m. standard time.

Steamers sail at 3 p. m. from Pier 65, North River, Foot of West 25th St., New York.

The stay of steamers at Port-au-Prince, Haiti, is of sufficient length of time to allow passengers to visit points of interest.

WEST COAST SERVICE.

In addition, a regular freight service is maintained without calls en route direct to Cristobal, Buenaventura and Ecuadorian Ports Particulars upon application.

All vessels call at Port-au-Prince, Haiti, which is approximately 5 days from New York and 60 hours from Cristobal.

Postal and Cable Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity..... $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity..... .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent o $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

Official Circulars.

Acting Governor.

THE PANAMA CANAL,
EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., *August 25, 1926.*

To all Concerned.—Effective the 26th instant, and during my absence from the Isthmus, Col. Harry Burgess, U. S. A., Engineer of Maintenance, will be Acting Governor.

M. L. WALKER,
Governor.

Duties of President of Panama Railroad Company.

PANAMA RAILROAD COMPANY,
OFFICE OF THE PRESIDENT,
BALBOA HEIGHTS, C. Z., *August 25, 1926.*

To all Concerned.—Effective the 26th instant, and during my absence from the Isthmus, Col. Harry Burgess, U. S. A., 2d Vice President, will perform such duties of the President as relate to the operations of the company on the Isthmus.

M. L. WALKER,
President.

Sale of Buildings.

The Panama Canal offers for sale to the highest bidder, a number of buildings located on High Street, Gatun. Sealed bids will be received in the office of the Chief Quartermaster, The Panama Canal, Balboa Heights, C. Z., up to 10.30 a. m., September 15, 1926. Forms of proposal and full particulars may be had upon application to the offices of the Chief Quartermaster and the District Quartermasters at Cristobal and Gatun.

Current Net Prices on Fuel Oil, Diesel Oil and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.05 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $8.50 per ton of 2,240 pounds at Cristobal, and $11.50 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $8.50 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $9.50 per ton at Cristobal, $12.50 at Blaboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

THE PANAMA CANAL RECORD

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., September 1, 1926. No. 4.

Canal Traffic During August, 1926.

During the month of August, 1926, 464 commercial vessels and 7 small launches transited the Canal. Tolls on the commercial vessels aggregated $2,055,041.91 and on the launches $27.87, or a total tolls collection of $2,055,069.78.

The daily average number of transits of seagoing vessels for the month was 14.96, and the daily average tolls collection $66,291.67. The average amount of tolls paid by each of the commercial transits was $4,438.54.

August was the fourth month during the present calendar year in which tolls collections have exceeded $2,000,000.

Of the 464 commercial vessels transiting during the past month, 226 were northbound and 238 southbound.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 8 months of the present calendar year, with the daily averages of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits	Tolls.	Transits.	Tolls.
January	479	$2,103,368.29	15.45	$67,850.59
February	424	1,835,226.47	15.14	65,543.80
March	506	2,206,212.20	16.32	71,168.13
April	425	1,917,457.11	14.16	63,911.90
May	470	2,056,965.55	15.16	66,253.72
June	419	1,852,967.60	13.96	61,755.68
July	456	1,980,719.67	14.71	63,894.18
August	464	2,055,941.91	14.96	66,291.67
Totals	3,643	16,007,661.86	14.99	65,875.15

Additional Ships for Furness Line.

The Furness Line has announced that four ships now building will be added to the fleet operated by that line between the Pacific coast of North America and the United Kingdom. The four ships will be exactly alike, each having a length of 450 feet, 60-foot beam, and capacity of 10,000 tons deadweight. The vessels will have a guaranteed speed of 13 knots, loaded. Accommodations will be installed for a limited number of passengers, and each vessel will have approximately 75,000 cubic feet of refrigerator and cool air space for the carriage of fruit and perishable products.

It is anticipated that all four vessels will be completed and ready for service in time for the movement of dried fruits and canned goods next year.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, August 28, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Mamari	21	12 15	22	6 20	22	12 57	22	14 05	British	Shaw, Savill & Albion	455.4	56.4	27.4	London, England	Dunedin, N. Z.	General	4,209	8,641	6,017
Francis E. Powell [1]	21	17 15	22	6 20	22	13 31	22	15 0	American	Atlantic Refining Co	431.0	59.2	21.6	Baltimore, Md	San Pedro, Calif.	Ballast		7,869	5,101
Acautla	15	13 30	22	7 45	22	14 44	22	15 5	British	Pacific Steam Nav. Co	215.7	33.5	17.4	Cristobal, C. Z.	Champerico, Guat	General	1,149	1,273	706
Canadolite [2]	21	14 05	22	7 30	22	14 20	22	15 20	British	Imperial Oil Co	500.9	68.2	19.10	Montreal, Canada	San Pedro, Calif.	Ballast		11,556	7,658
Bowden	20	11 20	22	9 10	22	15 25	22	15 25	Norwegian	United Fruit Co	235.0	33.7	14.0	Mobile, Ala	Gatun, C. Z. [5]	Bananas	156	1,276	711
Cheniston	22	8 00	22	9 40	22	17 0	22	18 1	British	Ardmore Coal & S.S. Co	390.0	50.5	23.0	Baltimore, Md	Tocopilla, Chile	Coke, general.	4,903	5,363	3,704
Negada	21	8 00	22	10 05	22	17 51	22	18 55	German	Kosmos Line	410.0	50.0	23.7	Hamburg, Germany	Valparaiso, Chile	General	4,163	6,402	4,463
Lake Miraflores	21	23 55	22	11 05	22	17 5	22	18 5	American	McCormick Line	253.4	43.8	20.10	New York, N. Y.	San Francisco, Cal	General	2,610½	2,927	1,898
Reginolite [2]	22	23 00	23	6 20	23	14 19	23	20 2	British	Imperial Oil Co	471.0	63.9	28.0	Tampico, Mexico	Vancouver, B. C.	Crude oil	12,300	9,231	6,304
Floridan	22	20 10	23	7 32	23	14 45	23	15 0	American	Amer.-Hawaiian Line	415.0	53.0	22.6	New York, N. Y.	Portland, Oreg	General	4,495	7,273	5,105
Albertolite [2]	23	2 30	23	8 25	23	15 0	23	17 30	British	Imperial Oil Co.	433.3	60.0	22.5	Montreal, Canada	Talara, Peru	Ballast		8,491	5,879
Agwilake [1]	23	3 25	23	9 45	23	15 54	23	18 15	American	Inter. Shipping Corp	458.3	62.7	20.0	New York, N. Y	Los Angeles, Calif	Ballast		9,832	6,957
Wray Castle	23	8 20	23	11 00	23	18 20	23	19 40	British	Barber S. S. Line	419.0	55.8	25.0	New York, N. Y	Shanghai, China	General, case oil.	5,824	6,861	5,016
Stella	20	21 45	23	12 25	23	19 40	23	20 48	Norwegian	U. S. Steel Products Co	195.1	32.9	9.9	Cristobal, C. Z.	Buenaventura, Col	Ballast		985	606
Chona [1]	21	8 40	24	6 20	24	13.14	24	14 35	British	Anglo-Saxon Pet. Co	400.0	52.0	15.0	Curacao, D. W. I.	San Pedro, Calif.	Ballast		6,029	4,132
Marore	23	6 45	24	6.10	24	13 27	24	14.35	American	Ore S. S. Corp	550.3	72.2	21.0	Norfolk, Va	Cruz Grande, Chile	Ballast		15,551	4,297
Robin Goodfellow	23	15 18	24	7 00	24	15 45	24	16 55	American	Seas Shipping Co	424.8	55.8	28.0	Baltimore, Md	Tacoma, Wash	Steel, general.	8,984	7,473	5,536
El Oso [1]	23	15 45	24	8 25	24	15 35	24	16 57	British	Anglo-Saxon Pet. Co.	440.5	57.5	17.0	Rotterdam, Holl.	San Pedro, Calif.	Ballast		7,478	5,040
Santa Rosalia	23	21 10	24	9.25	24	17 05	24	18.20	American	Isthmian S. S. Lines	406.0	52.6	23.0	New York, N. Y	San Antonio, Chile	General	5,459	5,900	4,443
Byron D. Benson [1]	24	1 35	24	11 00	24	17 51	24	20 27	American	Tidewater Oil Co	435.4	60.2	19.0	New York, N. Y	Los Angeles, Calif.	Ballast		8,546	5,870
Swiftarrow [1]	24	11 36	24	11 45	24	18 48	25	5 57	American	C. D. Mallory & Co	431.0	60.0	18.6	Fall River, Mass.	San Pedro, Calif.	Ballast		8,473	6,050
Grootendijk	24	7 05	25	6 10	25	14 00	25	15 15	Dutch	Holland-Amer. Line	450.0	58.0	20.10	Rotterdam, Holl	Los Angeles, Calif	General	3,276	8,730	5,869
Ipswich	24	17.25	25	8 35	25	15 45	25	20 30	American	Amer. Ship. & Com. Co.	400.7	54.2	19.0	Savannah, Ga	San Pedro, Calif.	General	2,180	6,616	4,614
Vinemoor [2]	24	15 35	25	7.18	25	14.55	25	17.20	British	W. Runciman & Co.	375.0	52.6	24.9	Pto. Tarafa, Cuba	Moji, Japan	Sugar	7,350	6,099	4,691
Persephone [2]	25	6 15	25	9 48	25	16 57	25	18 30	Danzig	Balti-Amer. Pet. Co.	458.6	63.0	22.6	Hamburg, Germany	San Pedro, Calif.	Ballast		9,336	6,338
F. J. Luckenbach	25	7 18	25	10 50	25	17 21	25	18 30	American	Luckenbach Line	446.0	53.0	24.7	Boston, Mass	Seattle, Wash	General	6,326	8,508	6,179
Santa Elisa	25	17 20	26	6 15	25	13 51	25	19 00	American	Grace Line	360.3	51.7	24.9	New York, N. Y	Talcahuano, Chile	General	2,811½	5,957	4,325
Malayan Prince [2]	25	19 18	26	7.25	25	14 30	25	15 35	British	Prince Line, Ltd.	441.0	60.0	24.6	New York, N. Y	Hongkong, China	General	4,994	9,209	6,269
Knoxville City	25	7 23	25	8 40	25	15 52	25	20 20	American	Norton, Lilly & Co	421.0	55.0	26.0	Houston, Tex	Shanghai, China.	General	8,057	7,611	5,459
Manchuria	25	9 05	25	9 35	25	15 30	25	23 55	American	Panama-Pacific Line	600.0	65.3	27.0	New York, N. Y	San Francisco, Cal.	General	2,230	17,044	11,488
Betterton [1]	25	5 40	25	11 00	25	17 30	25	18 50	American	Associated Oil Co	431.0	59.2	19.2	New York, N. Y	San Francisco, Cal	Ballast		7,855	5,104
Castle Town	25	7 50	25	11 00	25	13 31	27	00 45	American	Charles Nelson Co	321.7	50.0	18.0	Baltimore, Md	San Francisco, Cal.	General	2,938	3,872	2,568
St. Catherine [3]	25	19 30	25	11 00	25	17 43	27	5 40	British	Vancouver Harbor Co.	135.5	20.5	14.9	Leith, England	Vancouver, B. C.	Ballast		450	141
La Marseillaise	25	4.20	26	12.50	25	19.28	25	20 20	French	French Line	429.5	58.2	23.1	Havre, France [4]	Vancouver, B. C.	General	4,521	8,079	5,580

[1] Tanker. [2] Motor ship. [3] Tug. [4] Whaler. [5] And return to Mobile, Ala.

Anniston City..	26	17.00	27	6.15	27	13.18	27	14.40	American...	U. S. Steel Products Co.	424.8	56.2	26.7	Baltimore, Md..	Honolulu, T. H....	General.....	8,376	7,611	5,450
Mazorca [4].....	26	13.15	27	7.22	27	15.28	....	....	Peruvian ..	Cia Ballenera del Peru.	292.0	37.0	13.0	Pensacola, Fla.....	Balboa, C. Z.....	Coal, lumber....	278	2,550	1,696
F. H. Hillman [1]	26	21.45	27	8.20	27	15.34	27	19.35	American...	Standard Oil Co	500.0	63.2	20.0	London, England..	Los Angeles, Calif.	Ballast	.....	11,225	7,913
El Grillo [4].....	26	22.35	27	9.50	27	16.40	27	18.25	British	C. T. Bowring & Co. ..	440.0	57.6	22.3	Quebec, Canada...	Talara, Peru.....	Ballast.....	.....	7,458	5,042
Spreewald [2].....	26	23.35	27	10.55	27	17.25	27	23.25	German	Hamburg-Amer. Line .	399.6	54.2	21.0	Hamburg, Germany	Valparaiso, Chile..	General.....	4,200	6,791	4,997
Chincha.....	27	12.20	27	12.30	27	18.50	28	3.35	American ..	Planet S. S. Line	403.0	52.4	24.7	New York, N. Y...	Adelaide, Australia	General, steel....	5,794	6,872	4,973
Cerro Azul [4]...	27	14.10	27	14.17	27	20.40	27	21.48	American...	Huasteca Pet. Co.....	430.5	63.0	23.10	New Orleans, La .	Port San Luis, Cal.	Ballast.....	.....	9,398	6,453
Sciota [3].....	26	16.30	27	6.15	27	13.55	..	....	American...	U. S. Navy	140.3	30.0	....	Cristobal, C. Z.....	Balboa, C. Z.....	(6)	.....	.....	.....
West Mahwah..	27	17.10	28	6.05	28	14.03	28	15.12	American ..	McCormick S. S. Co...	410.3	54.2	20.7	Buenos Aires, Arg.	San Francisco, Cal.	(7)	5,900	6,588	4,833
England Maru.	27	17.50	28	7.20	28	15.12	28	13.28	Japanese...	Kokusai Kisen Kaisha.	385.0	51.0	27.4	New York, N. Y..	Kobe, Japan	General.....	6,622	6,214	4,665
Dakotan.....	28	00.05	28	8.55	28	16.10	28	17.25	American...	Amer.-Hawaiian Line .	407.7	53.7	22.0	Boston, Mass ..	San Francisco, Cal.	General.....	4,425	7,156	5,058
Ontariolite [2] [4].	28	9.55	28	10.05	28	15.51	29	2.10	British	Imperial Oil Co	470.0	63.0	19.6	Montreal, Canada.	Talara, Peru.. ...	Ballast.....	.....	9,191	6,051
Redman	28	11.45	28	12.50	28	20.00	28	21.18	American ..	Munson S. S. Line.....	324.0	45.0	21.0	Baltimore, Md....	San Pedro, Calif...	General.....	3,411	3,987	2,530
W. H. Libby [1].	28	14.30	28	14.35	28	21.18	28	22.30	American...	Standard Oil Co.....	462.0	60.2	20.0	Norfolk, Va.....	San Pedro, Calif. .	Ballast.....	.....	8,461	6,104

[1] Tanker. [6] Towing barge *No. 2*.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

[7] Coffee, cocoa, bones, hides, quebracho, canned goods, and general.

Bogota	22	1.00	22	7.20	22	14.45	22	15.45	British	Pacific Steam Nav. Co	400.0	52.5	23.8	San Antonio, Chile	Glasgow, Scotland.	General.....	5,525	5,737	4,015
J.A.Moffett,Jr [1]	22	4.00	22	8.35	22	17.35	22	17.35	American...	Standard Oil Co. of N. J.	515.0	63.0	20.0	Talara, Peru.....	Charleston, S. C...	Crude oil.....	15,00	10,037	7,995
Bullaren [2].....	22	5.30	22	10.57	22	18.30	22	18.30	Swedish	Transatlantic S. S. Co.	436.1	55.2	25.6	Portland, Oreg ...	Cork, Ireland	Wheat	7,978	7,614	5,384
Havana Maru.	22	9.00	22	13.42	22	20.30	22	20.30	Japanese....	Osaka Shosen Kaisha .	407.25	50.83	26.2	Hankow, China...	Boston, Mass	General.....	6,184	6,538	4,769
Amazonas	22	12.10	23	6.25	23	14.30	24	00.10	Peruvian ..	Peruvian Line..... .	350.0	42.5	22.6	Callao, Peru	New York, N. Y...	General.....	3,058	3,744	2,621
Robert E. Hopkins [1].....	23	00.50	23	7.16	23	15.20	23	15.20	American...	Tidewater Oil Co.....	424.0	58.2	25.9	San Pedro, Calif.	New York, N. Y...	Crude oil	10,000	7,333	5,182
Essequibo	23	5.20	23	8.02	23	16.00	24	19.27	British	Pacific Steam Nav. Co.	450.0	57.8	23.9	Talcahuano, Chile.	New York, N. Y...	General.....	2,239	9,158	6,176
Utacarbon [1]....	22	23.00	23	9.14	23	18.00	23	18.0	American...	Union Oil Co. of Calif..	435.0	55.0	28.10	Los Angeles, Calif.	Montreal, Canada.	Fuel oil	10,746	7,482	5,209
Panaman.....	23	3.00	23	10.05	23	17.30	23	23.0	American...	Amer.-Hawaiian Line .	407.7	53.7	23.0	Tacoma, Wash....	New York, N. Y .	General.....	5,330	7,098	5,029
Fernecliff [2].....	23	8.35	23	10.55	23	18.21	23	18.21	Norwegian.	Fern Line	390.0	53.6	23.0	Cebu, P. I	New Orleans, La...	Copra, hemp ...	4,938	6,112	4,284
Santa Teela....	23	9.40	23	11.5	23	19.08	24	4.04	American...	N. O. & S. A. S. S. Line	298.6	40.0	13.6	Guayaquil, Ecuador	New Orleans, La .	General.....	882	2,832	1,833
Montevideo....	23	11.45	23	13.14	23	20.50	25	2.00	Spanish....	Spanish Line.....	410.05	48.2	23.0	Valparaiso, Chile .	Barcelona, Spain...	General.....	1,198	5,300	3,593
Argalia.....	23	12.00	23	14.1	23	21.35	23	22.52	British	Donaldson Brothers. .	400.0	52.0	26.0	Portland, Oreg	Hampton Roads [10]	Wheat.....	7,282	5,753	4,003
William Green .	23	23.00	24	7.20	24	15.00	24	15.00	American...	Pan-Amer.Pet.& Tr.Co.	430.0	58.2	28.0	San Pedro, Calif.	New York, N. Y..	Fuel oil.....	10,521	6,973	4,670
Georgian	23	22.30	24	8.08	24	15.25	24	15.25	American...	Amer.-Hawaiian Line .	387.0	52.0	23.10	Port Angeles, Wash.	Baltimore. Md....	Lumber.....	5,900	5,719	4,023
Harry Luckenbach.....	24	12.45	24	13.37	24	20.40	24	20.40	American...	Luckenbach Line.....	448.9	60.2	29.0	Portland. Oreg....	Boston, Mass	Lumber, general	6,350	9,262	6,853
Lieut. W. B. Gaither [8]....	....	....	24	11.5	24	....	..	....	American...	U. S. Army.....	....	....	....	Balboa, C. Z.....	Pedro Miguel, C. Z.	.....	.....	.....	.....
San Ubaldo [1].	24	14.45	25	6.38	25	13.50	25	13.50	British	Anglo-Mexican Pet. Co.	412.0	53.4	24.0	San Pedro, Calif. .	London, England..	Gasoline.....	7,335	5,976	4,069
H. C. Folger [1].	24	12.54	25	7.13	25	14.30	25	14.30	American...	Atlantic Refining Co....	435.0	55.0	27.3	San Pedro, Calif. .	Philadelphia, Pa...	Gasoline.....	9,200	7,461	5,159
Canadian Scottish.....	25	2.15	25	8.18	25	15.10	25	15.25	British	Can. Gov. Mer. Mar...	400.0	52.0	16.0	Sydney, Australia..	Montreal, Canada.	General.....	577	5,905	4,129
Ottar.....	25	3.00	25	8.47	25	16.20	26	12.50	Norwegian.	Chr. Knudsen.....	252.6	37.0	16.0	Guaymas, Mexico.	New York, N. Y .	Chick peas.....	1,775	1,815	1,222
Halo [1].....	25	3.45	25	9.34	25	17.45	25	17.45	American...	Cities Service Trans. Co	435.0	53.0	28.0	San Pedro, Calif. .	New York, N. Y .	Gas oil.....	10,300	7,434	5,145
Feltore.....	25	3.45	25	9.53	25	18.20	25	18.20	American...	Ore S. S. Corp.....	449.0	57.0	29.4	Cruz Grande, Chile	Baltimore, Md ...	Iron ore.....	11,000	7,808	5,139
K. R. Kingsbury [1].....	25	1.00	25	10.04	25	18.45	25	18.45	American...	Standard Oil Co.of Calif.	454.0	58.0	30.0	San Francisco, Cal.	New York, N. Y .	Gas oil.....	11,000	9,033	5,938
Eastern Moon..	25	9.45	25	10.32	25	19.35	25	21.20	American...	U. S. & Australian Line	385.0	51.0	15.0	Adelaide, Australia.	New York, N. Y..	(11)	50	5,904	4,321
Galveston [9]....	....	....	25	11.17	25	21.00	26	2.00	American...	U. S. Navy.....	292.0	44.0	17.5	Balboa, C. Z.....	Bluefields, Nicar.	.....	.....	.....	.....

[1] Tanker. [2] Motorship [8] Launch. [9] Light cruiser. [10] For orders. [11] Rabbit skins and wool.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Cambrai [12]	24	6 45	25	13 15	25	19 50	25	19 50	American	U. S. Army	448.0	58.2	24.0	San Francisco, Cal.	Brooklyn, N. Y.	General	1,837		
Indien [2]	25	17 00	26	6 28	26	14 50	26	16 15	Danish	E. I. DuPont Co	390.0	52.0	25.0	Iquique, Chile.	Sorel, Canada	Nitrate of soda.	7,900	6,173	4,418
San Ugon [1]	26	5 30	26	7 15	26	15 17	26	19 13	British	Anglo-Mexican Pet. Co	413.0	53.4	25.6	San Francisco, Cal.	London, England	Gasoline	7,680	5,976	4,069
Chester Sun [1]	25	18 35	26	8 08	26	16 25	26	16 25	American	Sun Oil Co	429.3	59.2	26.11	San Pedro, Calif.	Chester, Pa	Fuel oil	10,840	7,681	5,249
Suzalco	25	20 24	26	8 3	26	17 25	27	5 35	American	Transmarine Lines	324.0	46.0	23.6	Everett, Wash	New York, N. Y.	Lumber, general.	4,020	3,984	2,628
Anahenborg	25	21 30	26	8 45	26	19 00	27	17 25	Danish	Columbus Line	334.0	47.2	15.5	Corinto, Nicaragua	Chester, Pa	Fustic	1,400	3,567	2,460
William Perkins	26	2 00	26	9 28	26	17 44	26	17 44	American	Garland S. S. Corp	499.8	51.2	25.0	Aberdeen, Wash.	Philadelphia, Pa.	Lumber, shingles	7,500	6,757	4,919
Robin Adair	26	3 49	26	9 5	26	18 50	26	18 50	American	Seas Shipping Co	424.8	55.2	26.0	Vancouver, B. C.	Boston, Mass	Fir lumber	7,265	7,470	5,529
Ansaldo VII	26	7 30	26	10 18	26	20 20	27	6 11	Italian	Italian Line	378.5	51.5	23.6	Iquique, Chile	Alexandria, Egypt	Nitrate	7,355		
Sciota [11]			26	8 16	26	16 30	27	6.15	American	U. S. Navy	155.0	30.0		Balboa, C. Z	Cristobal, C. Z	(14)			
Caura [2]	27	5 00	27	7 1	27	15 25			Colombian.	National Nav. Co	197.48	22.97	9.9	Buenaventura, Col	Cristobal, C. Z	Coffee	239	238	172
Canadian Challenger	27	9 45	27	10 30	27	17 10	27	23 59	British	Can. Gov. Mer. Mar.	460.0	52.0	15.0	Wellington, N. Z	New York, N. Y.	General	1,754	6,142	4,354
Jamaica	27	11 20	27	12 30	27	9 50	31	6 08	British	Pacific Steam Nav. Co	220.0	34.0	11.0	Buenaventura, Col.	Cristobal, C. Z	Ballast		1,187	622
William Rockefeller [1]	28	3 00	28	6 0	28	14 35	28	14.35	American	Standard Oil Co. of N. J.	554.9	75.3	31.3	Los Angeles, Calif	New York, N. Y.	Crude oil	20,77	14,785	10,313
Keutucskian	27	16 05	28	7 0	28	15 40	28	15 40	American	Amer.-Hawaiian Line	414.5	53.7	25.9	Portland, Oreg	Boston, Mass	General	5,795	7,049	4,941
Matador	27	24 00	28	8 1	28	15 40	28	21 11	British	T. & J. Harrison.	415.0	57.6	22.8	Vancouver, B. C.	Liverpool, England	General	6,577	5,253	3,731
J. M. Danziger [1]	28	3 00	28	9 2	28	18 55	28	17 55	American	Pan-Amer.Pet.& Tr.Co.	430.0	58.2	27.0	San Pedro, Calif.	New York, N. Y	Fuel oil	19,00	6,963	4,886
Agwisun [1]	28	19 15	28	11 [illegible]	28	18 53	28	21 25	American	Inter. Shipping Corp.	429.3	59.2	28.6	San Pedro, Calif.	Baltimore, Md	Crude oil	19,70	7,612	5,492
Borga [2]	27	20 30	28	12 2	28	19 20			Norwegian.	Norway-Pacific Line	362.4	51.4	24.0	Honolulu, T. H.	Oslo, Norway	(15)	5,70	5,242	3,706

[1] Tanker. [2] Motor ship [12] U. S. Army transport. [11] Navy Tug. [14] Towing barge *No. 2.* [15] Barley. canned fruit.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
August 22	Heredia	United Fruit Co	New Orleans via Habana.
August 22..	Calamares	United Fruit Co	Port Limon, Costa Rica.
August 22..	Pastores	United Fruit Co	New York via Habana.
August 23	Rugia	Hamburg-American Line	Hamburg and wayports.
August 23..	Geo. Whittaker [16]	Geo. Whittaker	Colon, R. P.
August 23..	Inapaquina	United Fruit Co	Colon, R. P.
August 24..	Camden	United Fruit Co	Baytown, Tex.
August 24..	Turrialba	United Fruit Co	New Orleans via Habana.
August 24..	Linda S. [16]	Surgeon Brothers	Colon, R. P.
August 25..	Heredia	United Furit Co	Bocas del Toro, R. P.

* DEPARTURES.

Date.	Vessel.	Line.	For
August 22	Heredia	United Fruit Co.	Bocas del Toro, R. P.
August 22..	Calamares	United Fruit Co	New York via Habana.
August 22	Ancon	Panama Railroad S. S. Line.	New York via Haiti.
August 23..	Geo. Whittaker [16]	Geo. Whittaker.	Bluefields, Nicaragua.
August 24..	Rugia	Hamburg-American Line	Port Limon, Costa Rica.
August 25..	Heredia	United Fruit Co	New Orleans via Habana.
August 25	Pastores	United Fruit Co	Port Limon, Costa Rica.
August 25	Camden	United Fruit Co	Baytown, Tex.
August 26	Inapaquina	United Fruit Co	Colon R. P.
August 26	Siaola	United Fruit Co.	Colombian ports.

[16] Schooner. [17] Motor schooner.

* Other than ships passing through the Canal.

Continued on page 74, column 2.)

Supplement No 7.—Tariff No. 8.

THE PANAMA CANAL, PANAMA RAILROAD COMPANY,
EXECUTIVE OFFICE, BALBOA HEIGHTS, C. Z., *August 23, 1926.*

ITEM 34.—STEVEDORING AND TRANSFERRING CARGO.

(Effective September 1, 1926.)

Paragraph 17, change last sentence to read:

"Cargo will be delivered or received from vessels in port during the following working hours, which will not be deviated from except at the discretion of the Receiving and Forwarding Agent in cases of emergency: From 7 a. m. to 3 p. m. and from 5 p. m. to 1 a. m.

M. L. WALKER,
Governor, The Panama Canal,
President, Panama Railroad Company.

Classification of Cargo Passing Through the Panama Canal, Showing Origin and Destination during Fiscal Year ending June 30, 1926.

A statement of all commodities passing through the Panama Canal, showing origin and destination, during the fiscal year ending June 30, 1926, is shown in tables I and II on pages 56 to 71 of this issue. From cargo declarations submitted by masters of vessels it was possible to classify little over 70 per cent of the cargo passing from the Atlantic to the Pacific during the year and nearly 95 per cent of that passing from the Pacific to the Atlantic.

PRINCIPAL COMMODITIES—ATLANTIC TO PACIFIC.

Commodities shipped to the Pacific which aggregated more than 100,000 tons in any of the fiscal years, 1924, 1925, or 1926, are listed in the following tabulation:

Commodity.	Fiscal year, 1924.	Fiscal year, 1925.	Fiscal year, 1926.
Ammonia	79,813	96,922	108,104
Automobiles and accessories	120,124	145,676	171,952
Cement	303,724	359,831	283,328
Coal and coke	281,935	255,345	315,572
Cotton	100,925	145,604	226,092
Manufactured goods:			
Iron and steel	1,691,712	1,416,135	1,525,280
Machinery	181,112	133,024	134,411
Railroad material	192,537	139,740	150,993
Textiles and other	208,020	141,033	146,447
Meats, various	322,896	211,148	261,211
Mineral oils	1,079,137	948,451	721,817
Paper and paper pulp	97,987	110,805	111,517
Phosphates	25,473	90,433	162,254
Sugar	32,952	91,461	158,997
Sulphur	146,712	165,925	188,889
All other	2,995,041	2,946,864	3,370,233
Totals	7,860,100	7,398,397	8,037,097

These 15 commodity groups made up slightly over 60 per cent of the total cargo through the Canal from the Atlantic to the Pacific during the fiscal years, 1924, and 1925, and about 58 per cent of that during the fiscal year, 1926. With the exception of cement and mineral oils, all of these commodity groups show an increase for 1926 as compared with 1925. As compared with 1924 the year 1926 shows increases in ammonia, automobiles, and accessories, coal and coke, cotton, paper and paper pulp, phosphates, sugar, and sulphur; and decreases in cement, all kinds of manufactured goods, metals and mineral oils.

PRINCIPAL COMMODITIES—PACIFIC TO ATLANTIC.

Commodities shipped to the Atlantic which aggregated more than 100,000 tons in any of the fiscal years, 1924, 1925, or 1926, are shown below:

Commodity.	Fiscal year, 1924.	Fiscal year 1925.	Fiscal year, 1926.
Barley	379,542	236,115	313,535
Beans	60,030	101,218	54,656
Canned goods (fish, fruit, vegetables, etc.)	444,595	500,043	595,952
Coffee	102,451	81,881	104,739
Cold storage (meat, butter, fruit, etc.)	167,893	248,157	314,565
Fruit, dried	103,469	135,832	150,229
Lumber	1,824,438	2,255,421	3,200,311
Metals, various	360,828	436,261	449,278
Nitrates	1,744,580	2,155,814	1,878,050
Mineral oils	9,721,446	5,989,622	5,930,716
Ores, various	712,681	1,286,634	1,620,758
Sugar	270,688	211,168	319,045
Wheat	1,352,388	1,078,844	1,187,741
Wool	84,696	91,586	146,092
All other	1,804,885	1,751,843	1,734,684
Totals	19,134,610	16,560,439	18,000,351

The above 14 commodity groups comprised about 94 per cent of the cargo in transit through the Canal from the Pacific to the Atlantic during the fiscal year, 1924, and about 90 per cent of that for the fiscal years, 1925 and 1926. As compared with 1924 the fiscal year, 1926, shows increases in canned goods, coffee, cold storage, dried fruit, lumber, various metals, nitrates, various ores, sugar and wool; and decreases in barley, beans, mineral oils, and wheat. As compared with 1925, the fiscal year, 1926, shows increases in all the commodities listed except beans, nitrates, and mineral oils.

CARGO FROM ATLANTIC TO PACIFIC—ORIGIN AND DESTINATION.

From 65 to 70 per cent of the cargo passing through the Canal from the Atlantic to the Pacific during the last three fiscal years originated on the eastern seaboard of the United States and from 20 to 25 per cent in Europe. These two areas account for over 90 per cent of the cargo in this direction.

Four areas, the west coasts of the United States and South America, the Far East, and Australasia constitute the destination of more than 90 per cent of this cargo, that for the west coast of the United States absorbing about 40 per cent of the total.

Following are the figures for the fiscal years, 1924, 1925, and 1926:

Origin.	*1924.*	*1925.*	*1926.*
East coast of the United States	5,476,619	4,815,528	5,276,563
Europe, including British Isles	1,866,890	1,978,969	1,963,921
All other	516,591	603,900	796,613
Total for year	7,860,100	7,398,397	8,037,097
Destination.			
West coast of the United States	3,347,156	2,913,887	3,160,966
West coast of South America	1,290,208	1,338,150	1,281,691
Far East	1,557,796	1,215,680	1,502,246
Australasia	1,201,885	1,289,359	1,494,610
All other	463,055	641,321	687,584
Total for year	7,860,100	7,398,397	8,037,097

CARGO FROM PACIFIC TO ATLANTIC—ORIGIN AND DESTINATION.

Four regions of origin furnished over 95 per cent of the cargo in transit through the Canal in this direction during the fiscal years, 1924, 1925, and 1926, the west coast of the United States being the origin of

56 to 67 per cent, the west coast of South America from 20 to 30 per cent, the west coast of Canada from 5 to 10 per cent, and Australasia from 2 to 4 per cent.

From 60 to 70 per cent of the cargo eastbound through the Canal is destined to the eastern seaboard of the United States and from 20 to 30 per cent is destined to Europe. These two regions of destination account for more than 90 per cent of this cargo.

Following are the figures for the past three fiscal years:

Origin.	*1924.*	*1925.*	*1926.*
West coast of the United States	12,984,300	9,554,101	10,116,515
West coast of South America	4,008,496	4,714,243	4,861,436
West coast of Canada	1,223,102	1,082,282	1,650,855
Australasia	376,747	480,539	623,399
All other	541,965	729,274	748,146
Total for year	19,134,610	16,560,439	18,000,351
Destination.			
East coast of the United States	13,811,341	10,821,433	11,388,560
Europe, including British Isles	4,166,417	4,710,382	5,080,825
All other	1,156,852	1,028,624	1,530,966
Total for year	19,134,610	16,560,439	18,000,351

Mineral oils from the western seaboard of the United States continue to be the heaviest single item of cargo in this direction, the tonnage being 9,721,446 in the fiscal year 1924; 5,989,622 in 1925; and 5,930,716 in 1926. These shipments were fairly steady for the past two years but shipments in other commodities have made healthy growths. In commodities other than mineral oils the fiscal year, 1925, shows an increase of 1,157,653 tons over 1924; and 1926 an increase of 1,498,818 tons over 1925.

TOTAL CARGO.

Total cargo through the Canal during the last three fiscal years has been: In 1924, 26,994,710 tons; in 1925, 23,958,836 tons; in 1926, 26,037,448 tons. Thus the cargo in the fiscal year, 1926, was greater than in the fiscal year, 1925, by 2,078,612 tons or nearly 9 per cent and less than in the fiscal year, 1924, the record year to date for Canal traffic, by 957,252 tons or about 3½ per cent.

Proportion of Tolls Derived from Tank Ships.

During the fiscal year 1924 receipts of tolls from tank ships aggregated $9,071,835.65 and comprised slightly more than 37 per cent of the total revenue collected in tolls from vessels transiting the Canal. In 1925 the volume of tanker tonnage passing through the Canal declined appreciably, and the revenue from tolls dropped to $5,728,362.26, comprising slightly less than 27 per cent of the total revenue collected for tolls during that year. During the year ended June 30, 1926, tolls from tanker tonnage aggregated $5,626,167.93, and comprised 24½ per cent of the total revenue collected as tolls.

The volume of general traffic has been increasing from year to year but for the year 1925, the small increase in general cargo tonnage was insufficient to offset the marked decrease in tanker tonnage and, consequently, tolls for the year ended June 30, 1925, were nearly $3,000,000 lower than for the preceding year. During the past fiscal year tolls levied on general cargo carriers were greater by more than $1,600,000 than in the fiscal year 1925, and with the tanker tonnage remaining approximately the same, the result was an increase of more than one and one-half million dollars in the amount of revenue collected from tolls.

The tabulation below shows aggregate tolls collected on all traffic passing through the Canal during the past three fiscal years, segregated to show the revenue derived from tanker tonnage and general and miscellaneous tonnage transiting the Canal.

Fiscal year ending	Receipts from tolls.		
	Tankships.	General cargo and miscellaneous vessels.	Total.
June 30, 1924	$9,071,835.65	$15,219,127.89	$24,290,963.54
June 30, 1925	5,728,362.26	15,672,161.25	21,400,523.51
June 30, 1926	5,626,167.93	17,304,888.05	22,931,055.98

Proportion of Traffic by Frequency, Fiscal Year, 1926.

The following tabulation shows for the fiscal year ending June 30, 1926, the number of vessels making the indicated number of transits through the Panama Canal, the per cent which each class formed of the total number of individual vessels (1,564), their aggregate number of transits, and their per cent of the total commercial transits (5,197):

Number of transits.	Number of vessels.	Per cent of individual vessels. (1,564)	Total number of transits.	Per cent of total Canal transits.
1	528	33.7	528	10.2
2	378	24.2	756	14.5
3	151	9.6	453	8.7
4	153	9.8	612	11.8
5	80	5.1	400	7.7
6	63	4.0	378	7.2
7	55	3.5	385	7.4
8	60	3.8	480	9.2
9	27	1.7	243	4.7
10	14	.9	140	2.7
11	8	.5	88	1.7
12	8	.5	96	1.8
13	11	.7	143	2.7
14	6	.4	84	1.7
15	3	.2	45	.9
16	7	.4	112	2.2
17	3	.2	51	1.0
18	3	.2	54	1.0
19	1	.1	19	.4
20	1	.1	20	.4
24	2	.2	48	.9
25	1	.1	25	.5
37	1	.1	37	.7
Totals	1,564	100.0	5,197	100.0

FREQUENCY OF TRANSIT OF VESSELS THROUGH THE PANAMA CANAL.

During the fiscal year 1926, 1,564 individual commercial vessels, representing 24 nationalities, passed through the Panama Canal. The number of transits per individual ship varied from 1 to 37, the 1,564 vessels making a total of 5,197 transits, or an average of 3.32 transits per vessel.

The highest number of transits of any vessel during the fiscal year was 37, made by the motor ship *Atrato*, owned and operated by the Colombian Transport Company, flying the Colombian flag, and plying between the west coast of Colombia and Cristobal. The steamer *Acajutla* of British registry, owned and operated by the Pacific Steam Navigation Company, was second with 27 transits.

Vessels of the United States registry led in aggregate number of transits, though not in number of individual ships. While representing only 32 per cent of the individual vessels passing through the Canal they made up approximately 47 per cent of the total transits. Ships of British registry ranked second in total transits with 1,423, and Norway third with 306.

The following table shows the number of individual ships, the frequency of transit per vessel and total transits for the year, segregated by nationalities:

NATIONALITY, NUMBER, AND TRANSITS OF VESSELS THROUGH THE PANAMA CANAL, FISCAL YEAR, 1926.

Nationality of vessels.	Vessels making indicated number of transits per vessel during fiscal year 1926.																							Total ships.	Total transits.	Average No. of transits.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	24	25	37			
Belgian	4	1	3	1																				9	19	2.11
British	284	171	44	36	29	20	3	7	4	2	1		2				1			1	1	1		607	1,423	2.34
Chilean													2											2	26	13.00
Colombian	1							1															1	3	46	15.33
Danish	15	14	1	1	1			1																33	63	1.90
Danzig	3	3	2																					8	15	1.87
Dutch	5	2	3	8	6	1	1																	26	93	3.58
Ecuadorian	3																							3	3	1.00
Finnish	2																							2	2	1.00
French	6	11	4	10	2																			33	90	2.72
German	15	10	12	12	4	4																		57	163	2.86
Greek	2					1																		3	8	2.66
Honduran'n	3	1	2	1	1												4							8	20	2.50
Italian	9	9	4	8	1	1		1																33	90	2.72
Japanese	38	14	8	9	1																			70	131	1.87
Mexican	1																							1	1	1.00
Norwegian	36	16	7	8	8	3	6	1	1		1				1			1			1			90	306	3.40
Panaman	1	6	3		1		1		1	1														14	53	3.78
Peruvian	6						1	2	1			1		1										12	64	5.33
Portuguese	1																							1	1	1.00
Spanish	2	2		2	1	2																		9	31	3.44
Swedish	8	7	2	1	3													1	1					23	84	3.65
United States	82	105	52	54	22	31	43	47	23	11	6	7	7	5	2	7	2	1						504	2,432	4,82
Yugo-Slav	1	6	4	2																				13	33	2.53
Totals	528	378	151	153	80	63	55	60	27	14	8	8	11	6	3	7	3	3	1	1	2	1	1	1,564	5,197	3.32

From the above it will be noted that 528, or nearly 34 per cent of the individual vessels using the Canal during the year, made but one transit; that 41 per cent made 3 or more transits; and that less than 5 per cent made 10 or more transits.

Notice to Mariners.—Aid to Navigation.

THE PANAMA CANAL, DEPARTMENT OF OPERATION AND MAINTENANCE,
BALBOA HEIGHTS, C. Z., *August 27, 1926.*

On or about September 21, 1926, the candle power of Bona Island Light will be increased from 570 to 1500. No other change.

Position of light:
Latitude 8° 34′ 30″ North.
Longitude 79° 35′ 30″ West.

H. BURGESS,
Acting Governor.

Notice to Mariners.—Aid to Navigation.

THE PANAMA CANAL, DEPARTMENT OF OPERATION AND MAINTENANCE,
BALBOA HEIGHTS, C. Z., *August 27, 1926.*

The following information is contained in British Admiralty Notice to Mariners, No. 1260, of July 29, 1926:

"Several shoal soundings showing least depth of seven fathoms reported four to seven miles eastward of chartered position of eastern edge of Quita Sueno Bank. Quita Sueno Bank Light bearing 12 miles, 320° True. Caution advised vessels in this vicinity.

Position Quita Sueno Bank Light:
Latitude 14° 27′ 50″ North.
Longitude 81° 07′ 00″ West.

H. BURGESS,
Acting Governor.

Table I.—Classification of Cargo Passing Through the Panama Canal Showing Origin and Destination, Fiscal Year Ending June 30, 1926.

ATLANTIC TO PACIFIC.

(Figures represent tons of 2,240 pounds.)

	TONS OF CARGO FROM—									
	Miscellaneous.	West Indies.	South America, east coast.	Canada, east coast.	Mexico, east coast.	Cristobal, Canal Zone.	Other European.	British Isles.	United States east coast.	Total from Atlantic ports.
Aeroplanes							20	5	45	70
Agricultural implements	487			1,784		110	3,604	1,491	31,500	38,976
Ammonia	2,726			716			113		104,549	108,104
Asbestos				1,106			186		402	1,694
Asphalt	1,924		1,000	400	14,029	51	6,949	559	18,546	43,458
Automobiles	599	11		18,729		486	5,075	6,667	94,253	125,820
Automobile accessories	1,128			12,257		2	526	1,125	31,094	46,132
Balsam							45		1,665	1,710
Bananas	368					7,991				8,359
Bark, quebracho			470							470
Barley							236		26	262
Beans				70		181	569	7	2,284	3,111
Blood and tankage	600		3,242							3,842
Bones and bone meal	1,728		9,133				1,899		903	13,663
Borax							156	30	809	995
Brick	261						3,950	4,297	4,452	12,960
Calcium				131			531		85	747
Canned goods:										
Fish	64			107		174	2,638	620	4,787	8,390
Fruit	59			263		9	707	46	4,116	5,191
Meat	580		1,020	10		14	814	67	1,844	4,349
Milk				159		170	132	9	507	968
Vegetables	157			58			751	128	13,383	14,477
Other						168	66		3,160	3,394
Carbon black									869	869
Cement	14,843			620		243	225,038	9,482	33,102	283,328
Chalk							6,856	76		6,932
Charcoal									167	167
Chemicals	3,934			275		208	16,998	3,183	16,417	41,015
China clay							2,095	2,477	1,542	6,114
Coal						816	62,515	66,274	92,683	222,288
Cocoa	219	37	1,337	110		1,446	290	83	1,063	4,585
Coconuts						147	54		158	359
Coffee	3,217		25,946			8,383	972	47	791	39,356
Coke	4,786						50,689	29,438	8,431	93,344
Cold storage:										
Butter								25	47	72
Cheese	10		213			4	675	13	26	941
Lard						204			7,304	7,508
Meat	383					11				394
Tallow	10									10
Other	70						162	110	1,415	1,757

Confectionery				16			148	11	3,286	3,461
Copra									1,875	1,875
Cork			2,000				401		325	2,726
Corn			1,250			40	500		1,115	2,905
Cotton	130		9				665	385	224,903	226,092
Creosote							30,146	25	7,847	38,018
Cyanide									267	267
Drugs				50			57	84	2,811	3,002
Dyes								9	5,111	5,120
Dyewood							32		352	384
Earthenware							2,035	129	910	3,074
Explosives							2,567	855	3,134	6,556
Extract, quebracho	455		2,843							3,298
Fertilizer	2,542		2,838				6,066	500	7,035	18,981
Flint pebbles							1,092			1,092
Flour			13	19		929	70	188	40,179	41,398
Fruit:										
Dried							847	1,899	422	3,168
Fresh							78	712	294	1,084
Fuller's earth	153						208	60	4,064	4,485
Furniture								19	769	788
General	59,252	4,012	8,357	72,890	58	101,766	343,740	160,669	1,617,504	2,368,257
Glass and glassware	2,487			184		2	25,538	1,905	14,247	44,363
Glue			10					15	33	58
Granite							369		89	458
Graphite									15	15
Guano	800		1,330			25	5,151			7,306
Hair	18		86							104
Hardwood				42		951	380	27	3,265	4,665
Hats						10	196	10	56	272
Hemp	10							40	50	100
Horns and hoofs			20							20
Indigo									1,187	1,187
Ink									509	509
Ivory nuts									30	30
Jute	19					102	454	85	753	1,413
Leather						5			28	33
Lime				240					1,341	1,581
Linoleum							59	72	2,287	2,418
Liquors	394		144	982		588	8,633	7,174	233	18,148
Live stock			1,692	5	298	86	122	11		2,214
Lumber				20		1,217	132	1,175	9,823	12,367
Malt							92		349	441
Manufactured goods:										
Iron and steel	61,364			26,180		5,812	244,359	69,091	1,118,474	1,525,280
Machinery	954			2,269		1,492	29,231	12,717	87,748	134,411
Railroad material	2,368			3,010		954	45,907	9,546	89,208	150,993
Textiles	755			65		3,121	24,126	14,470	36,233	78,770
Other	1,960			1,047		2,254	10,858	8,351	43,207	67,677
Marble	219			45			3,893	150	1,009	5,316
Matches	42						87		37	166
Metals:										
Copper							110		294	404
Gold and silver								22	146	168

Table I.—Classification of Cargo Passing Through the Panama Canal Showing Origin and Destination, Fiscal Year Ending June 30, 1926.—Continued.

ATLANTIC TO PACIFIC.—Continued.

(Figures represent tons of 2,240 pounds.)

	TONS OF CARGO FROM—									
	Miscellaneous.	West Indies.	South America, east coast.	Canada, east coast.	Mexico, east coast.	Cristobal, Canal Zone.	Other European.	British Isles.	United States, east coast.	Total from Atlantic ports.
Metals—continued:										
Iron	140			1,225		100	26,857	2,035	17,133	47,490
Lead							294	299	2,286	2,879
Scrap							125	223	2,284	2,632
Tin	5,490						13,729	9,163	174,391	202,773
Zinc							162		371	533
Other							1,320	13	2,899	4,232
Milk, powdered									85	85
Musical instruments				115			100	100	424	739
Nitrates							3,644		400	4,044
Nuts							145		206	351
Oats	100								83	183
Oil:										
Cottonseed									952	952
Crude		9,266	6,809		19,035		316	385	13,356	49,167
Linseed			1,700				6,723	97	237	8,757
Lubricating	643			145		184	2,520	3,011	100,072	106,575
Olive	231	1				9	3,542	20	461	4,264
Other						32	1,286	193	10,869	12,380
Refined	8,950		15	1,000	15,890	39	1,773	780	537,628	566,075
Vegetable	91						1,287	313	2,275	3,966
Wood									65	65
Ore:										
Copper							1,395	84	125	1,604
Iron	240						9,792	7,830	4,562	22,424
Lead									30	30
Magnesite							140		53	193
Manganese							1,978	3,037	735	5,750
Tin							730	1,200	587	2,517
Other							200		305	505
Paint and varnish	77			67		26	2,051	1,772	2,344	6,337
Paper	979		2	10,322		96	42,985	8,139	38,970	101,493
Paper pulp							7,553	1,066	818	9,437
Paper, roofing									587	587
Patent fuel							3,001	13,772		16,773
Peanuts									918	918
Phosphates	1,625				1,690		7,037	675	151,227	162,254
Plaster							5		67	72
Porcelain							30		101	131
Potash						8	5,549	300	135	5,992
Rags						8	1,726		144	1,878
Rice	660					234	25,512	114	1,325	27,845
Rope							192		1,130	1,322
Rosin						171			29,041	29,212

Rubber:										
Manufactured	294			1,462		25	683	171	10,467	13,102
Raw							23			23
Scrap							50		61	111
Salt	289		1,942	704			13,096	12,223	1,307	29,561
Saltpeter							4,074			4,074
Sand							17,469		10,371	27,840
Seeds:										
Canary			249				25			274
Cotton							279	38	5,604	5,921
Grass				14			48	15		77
Other	120		2,085	50		88	396		36	2,775
Shells, oyster									10,082	10,082
Silk							375	170	225	770
Silversand							38,387	2,092		40,479
Skins and hides	236		2,036				1,394		390	4,056
Slag							30,020	385		30,405
Slate							39		960	999
Soap				200		59	259		4,123	4,641
Soda							283		1,422	1,705
Soda:										
Ash							113	322	6,748	7,183
Bicarbonate						8		20	851	879
Caustic						5	235	41	9,899	10,180
Starch				124					373	497
Sugar	32,991	104,759				353	764		20,130	158,997
Sulphur	758						196	50	187,885	188,889
Syrup	50	20,311							3,062	23,423
Tar							519		151	670
Tartar							212			212
Tea	98		12				650	719	744	2,223
Tobacco	67	65		368			2,351	881	61,442	65,174
Toys	250						148		48	446
Turpentine							5		2,819	2,824
Vegetables				550					101	651
Waste									239	239
Wax	15					716	536	320	16,720	18,307
Wheat									4,038	4,038
Wines						276	4,046	758		5,080
Wool	60		23				196	200	768	1,247
Zinc oxide									527	527
Totals, fiscal year, 1926	226,520	138,462	77,826	160,196	51,000	142,699	1,474,230	489,691	5,276,563	8,037,097
Totals, fiscal year, 1925	118	93,944	67,197	121,803	186,798	134,049	1,119,577	859,392	4,815,528	7,398,397
Totals, fiscal year, 1924	2,004	41,206	90,191	110,677	278,648	94,865	948,095	817,795	5,476,619	7,860,100
Per cent of total cargo, 1926	2.8	1.7	1.0	2.0	0.6	1.8	18.3	6.1	65.7	100.0
Per cent of total cargo, 1925		1.3	0.9	1.6	2.5	1.8	15.2	11.6	65.1	100.0
Per cent of total cargo, 1924		0.5	1.1	1.4	3.6	1.2	12.1	10.4	69.7	100.0

Table I.—Classification of Cargo Passing Through the Panama Canal Showing Origin and Destination, Fiscal Year Ending June 30, 1926.—Continued.

ATLANTIC TO PACIFIC.—Continued.

(Figures represent tons of 2,240 pounds.)

	TONS OF CARGO TO—											
	South America, west coast.	United States, west coast.	Far East.	Australasia.	Canada, west coast.	Central America, west coast.	Balboa, Canal Zone.	Mexico, west coast.	North America, west coast.	Hawaii.	Philippines.	Miscellaneous.
Aeroplanes	0	00	35	5								
Agricult'l impl'ents	6,827	8,006	463	22,878	27	145			25	8	110	487
Ammonia	23	623	91,135	2,940						6,003	4,654	2,726
Asbestos	197	473		296	818							
Asphalt	2,219	1,861	5,038	31,908		508						1,924
Automobiles	7,444	10,999	7,091	96,893	15	1,923	65		12	10	769	599
Auto accessories	2,031	19,063	6,245	17,452		60					153	1,128
Balsam	45	1,245	420									
Bananas		7,991										368
Bark, quebracho		470										
Barley	262											
Beans	321	2,087	15	676	7		5					
Blood and tankage		3,242										690
Bones, bone meal		11,607	292		36							1,728
Borax	30	809		156								
Brick	6,980	3,558	194	187	1,514			266				261
Calcium	491	125		131								
Canned goods:												
Fish	1,408	3,450	48	2,945	177	130			106		62	64
Fruit	213	3,046	380	916	216	350					20	59
Meat	378	2,155	257	933	45				1			580
Milk	758		30	30	150							
Vegetables	267	11,446	91	755	543		18		1,200			157
Other	175	2,632	446	25	16	100						
Carbon black		97	772									
Cement	134,191	95,293	440	12,286	897	10,343	1,900	49	421	12,620	45	14,843
Chalk	250	6,534			148							
Charcoal	10	157										
Chemicals	7,777	15,810	4,986	6,930	1,106	286		154			32	3,934
China clay	401	5,456			257							
Coal	161,470	34,684	2,700		11,366	6,521		5,447		100		
Cocoa	657	3,320	46	309	28	2			4			219
Coconuts		359										
Coffee	428	32,260		175	588				2,688			3,217
Coke	29,916	47,010		8,882	1,500				1,250			4,786
Cold storage:												
Butter		47		25								
Cheese	86	768	38		10				29			10
Lard	2,532	4,935				11						
Meat		11										383
Tallow												10
Other	850	781		50	6							70

Confectionery	24	3,185	88	122	42							
Copra		1,875										
Cork		1,226			1,500							
Corn	670	417	528			40			1,250			
Cotton	650	1,791	223,345	72		65					30	130
Creosote		29,783			8,235							
Cyanide		164						103				
Drugs	39	2,647	158	50	84	12			12			
Dyes	9		5,192								9	
Dyewood	32		338	14								
Earthenware	1,025	1,795		9	265				70			
Explosives	3,139	1,697		1,529	181						10	
Extract, quebracho		1,493	1,350									455
Fertilizer		5,687	2,635	2,600		30				1,654	3,783	2,542
Flint pebbles		592		500								
Flour	2,641	508	28,095	154								
Fruit:												
Dried	30	1,850	26	41	952				269			
Fresh	115	780			189							
Fuller's earth		4,320			12							153
Furniture	16	750			19	3						
General	414,957	1,198,222	163,185	392,313	44,395	54,740	42	1,181	35,535	1,378	3,058	59,252
Glass and glassware	8,132	22,298	203	5,539	4,426	255			957		65	2,487
Glue		43			15							
Granite		458										
Graphite		15										
Guano	20	2,552		210		175			3,549			800
Hair	85											18
Hardwood	997	3,085	72	369	142							
Hats	181	25	26	40								
Hemp	40	50										10
Horns and hoofs		20										
Indigo			1,187									
Ink		419		90								
Ivory nuts		30										
Jute	445	832			34	83						19
Leather			28			5						
Lime	165		1,175	240								
Linoleum		2,413			5							
Liquors	1,854	107	126	7,771	6,962	439	20	430	45			394
Live stock	2,292			12								
Lumber	3,245	6,842	312	1,967								
Malt	403	18									20	
Manufact'd goods:												
Iron and steel	193,292	834,404	178,303	156,226	29,223	19,880	57	61	22,491	4,000	4,979	61,364
Machinery	40,011	29,950	22,927	37,260	1,075	1,658		20	106		1,340	954
R. R. material	52,585	14,089	44,913	13,971	1,253	21,559				8	216	2,368
Textiles	21,093	27,242	4,245	21,901	248	2,438			513	88	256	755
Other	13,480	29,851	7,237	11,911	223	1,455			961	83	516	1,960
Marble	822	4,144	55	30	45							219
Matches	22	102										42
Metal:												
Copper	82	303		19								
Gold & silver	22		146									

Table I.—Classification of Cargo Passing Through the Panama Canal Showing Origin and Destination, Fiscal Year Ending June 30, 1926.—Continued.

ATLANTIC TO PACIFIC.—Continued.

(Figures represent tons of 2,240 pounds.)

	TONS OF CARGO TO—											
	South America, west coast.	United States, west coast.	Far East.	Australasia.	Canada, west coast.	Central America, west coast.	Balboa, Canal Zone.	Mexico, west coast.	North America, west coast.	Hawaii.	Philippines.	Miscellaneous.
Metal—contd.:												
Iron	6,715	32,317	3,002	3,701	352	250			1,013			140
Lead	569	676	1,479	155								
Scrap		2,170	200	253								
Tin	3,597	107,765	588,01	2,760	17,347			29		6,895	170	5,400
Zinc	503	30										
Other	123	2,097	649	8					1,300		55	
Milk, powdered	46		39									
Musical instrum'ts		90		649								
Nitrates		3,614	50	380								
Nuts		341			19							100
Oats	25		58									
Oil:												
Cottonseed	60	892										
Crude	20,055	6,890	7,497	10,177		18					4,521	
Linseed	1,184	7,000		478	95							
Lubricating	8,661	17,942	40,905	37,769	355	74				28	198	643
Olive	1,204	2,509			230							231
Other	1,552	1,129	5,470	4,197		32						
Refined	19,429	5,073	262,815	250,542		2,237	7,950				8,079	8,950
Vegetable	1,400	2,133	216	88	23	15						91
Wood		65										
Ore:												
Copper	1,085	469			50							
Iron	1,480	19,907	60	100	537				100			240
Lead		30										
Magnesite	140	53										
Manganese		5,747			3							
Tin	26	290	373	1,200	600			28				
Other	185	175		145								
Paint and varnish	856	1,701	311	3,162	174	26					30	77
Paper	18,518	48,954	4,522	25,212	903	595	75	3	2,562	10	60	979
Paper pulp		7,772	548	1,066						51		
Paper, roofing		450	137									
Patent fuel	11,001				800	4,972						
Peanuts		918										
Phosphates	802	8,157	111,730	39,087	42	130			681			1,625
Plaster		5		67								
Porcelain		101		30								
Potash	8	3,161	12	374	83					2,354		
Rags	8	1,870										
Rice	25,074	1,368	14		724	5						660
Rope	166	1,141				15						
Rosin	2,109	5,043	20,835	1,225								

Rubber:												
Manufactured	235	9,728	162	2,411	180	25					67	294
Raw	23											
Scrap		111										
Salt	5,886	2,507		19,991	827				61			289
Saltpeter		1,234								2,840		
Sand		27,040			800							
Seeds:												
Canary		274										
Cotton	349	105	5,467									
Grass		63		14								
Other	36	2,466		50	15		88					120
Shells, oyster		9,531		5	546							
Silk	396	7		367								
Silversand		38,779		1,700								
Skins and hides		2,816	994	10								236
Slag				30,405								
Slate		975	24									
Soap	125	3,862	320	9	200						125	
Soda	73	1,073	409	150								
Soda:												
Ash	435	6,548	150	50								
Bicarbonate	20	608	243			8						
Caustic	137	1,569	8,283		155			36				
Starch		307			140						50	
Sugar	2,240	13,710	101,596	747	7,713							32,991
Sulphur	716	83,729	3,822	83,465	15,645					754		758
Syrup	77	22,930		216	40						110	50
Tar	484	186										
Tartar		212										
Tea	1,217	863			45							98
Tobacco	434	16,969	33,689	13,611							404	67
Toys		186			10							250
Turpentine	274	487	4	2,059								
Vegetables	5	46	50			550						
Waste		239										
Wax	4,596	642	11,117	1,701		222					14	15
Wheat	3,850	188										
Wines	2,106			2,072	656	241			5			
Wool	351	813	23									60
Zinc oxide		506	21									
Totals:												
Fiscal year, 1926	1,281,691	3,160,966	1,502,246	1,404,610	168,295	123,631	10,220	7,807	77,216	38,884	35,011	226,520
Fiscal year, 1925	1,338,150	2,913,887	1,215,680	1,289,359	158,709	143,528	23,586	8,039	155,743	71,139	80,577	
Fiscal year, 1924	1,290,208	3,347,156	1,557,796	1,201,885	141,086	90,403	58,002	18,790	38,488	55,015	61,271	
Per cent of total cargo:												
1926	15.9	39.4	18.7	1.75	2.1	1.6	0.1	0.1	0.9	0.5	0.4	2.8
1925	18.1	39.4	16.4	17.4	2.2	1.9	0.3	0.1	2.1	1.0	1.1	
1924	16.4	42.6	19.8	15.3	1.8	1.1	0.8	0.2	0.5	0.7	0.8	

Table II.—Classification of Cargo Passing Through the Panama Canal Showing Origin and Destination, Fiscal Year Ending June 30, 1926.

PACIFIC TO ATLANTIC.

(Figures represent tons of 2,240 pounds.)

	TONS OF CARGO FROM—											
	Miscellaneous.	Philippines.	Mexico, west coast.	North America, west coast.	Hawaiian Islands.	Central America, west coast.	Canada, west coast.	Australasia.	Far East.	United States, west coast.	South America, west coast.	Total, from Pacific ports.
Agricult'l impl'ent.										393	235	628
Alfalfa meal										10		10
Asphalt										4,882		4,882
Automobiles	6							10		285		301
Auto accessories										289		289
Balsam						5					61	66
Bananas	20,868											20,868
Bark:												
Cascara							15			200		215
Peruvian						7				7	34	48
Quillay								62		50	1,612	1,724
Other									53	446		499
Barley							8,736	37		263,427	41,335	313,535
Beans	416		2,768					2,394	1,988	38,663	8,427	54,656
Beeswax										7	7	14
Borax										14,233	37,718	51,951
Bran										30	5,186	5,216
Bones, bone meal										35		35
Canned goods:												
Fish	4,219			8,937			19,297		5,442	130,806		168,701
Fruit	10,544			21,407	415		8,807	37	1,794	313,583	22	356,609
Meat								1,252		3,316		4,568
Milk							808			6,532		7,340
Vegetables	465						158			28,147	138	28,908
Other										29,826		29,826
Celite filtercel										517		517
Cement										1,514	453	1,967
Chalk						179						179
Charcoal										257	405	662
Chemicals									81	1,467	113	1,661
China clay							30			228		258
Coal								187				187
Cocoa						650		854		172	22,180	23,856
Cocoa leaves											55	55
Coconuts	90	104							758	280		1,232
Coffee	24,666					36,157	5	673		1,849	41,389	104,739
Cold storage:												
Beef								22,346		10		22,356
Butter							173	42,409		137		42,719
Cheese, caseine								51,609		22		51,631
Eggs									1,200	125		1,325
Lard						118						118
Meat								5,674			20	5,694

Cold storage—con.												
Mutton								97,225				97,225
Tallow							183	22,351	16	803		23,353
Other							421	4,503		1,699	26	6,649
Copra	16,641	12,441						35,879	7,003	4,259		76,223
Corn							11,023			370	1,862	13,255
Cotton	290					520	22	633	1,217	24,808	38,360	65,850
Cottonseed oil cake										1,847	29,591	31,438
Cottonseed oil cake meal										215		215
Dyewoods						4,849				210		5,059
Earthenware									203	300		503
Explosives									304	396		700
Flour	950						10,312			53,129		64,391
Fruit:												
Dried	3,168						12,79			145,654	128	150,229
Fresh	17,313						661	12,024		32,616	881	63,495
Furniture										8		8
General		3,358		24,652	696	32,458	43,090	40,943	38,530	640,496	136,924	961,147
Glass and glassware										1,931	2,800	4,731
Glue										26	20	46
Guano											7,375	7,375
Gum, kauri								2,358			139	2,497
Gum, yucca								287				287
Graphite									25			25
Hair								17		124	3	144
Hardwood	1,074					7,516		1,662		2,681	80	13,013
Hats									38	571	312	921
Hay										7,595		7,595
Hemp	4,285	2,268						13,865	2,174	11,123		33,715
Honey								296		548	468	1,312
Hops								27		752		779
Horns and hoofs								9		178	93	280
Indigo						48					11	59
Infusorial earth											261	261
Ink										19		19
Iodine											634	634
Ivory nuts								45			18,878	18,923
Jute									89	151	51	291
Leather											5	5
Lime										48		48
Linoleum										18		18
Liquors										100		100
Livestock							4					4
Lumber	57,624	1,419		44,099		828	661,454	4,408		2,429,773	706	3,200,311
Manufact'ed goods:												
Iron and steel							10		82	2,498		2,590
Machinery	124						467	6		3,262	183	4,042
R. R. material										491		491
Textiles								632		1,330	3	1,965
Other	1,115			63		7			449	9,951		11,585
Matches										18		18

Table II.—Classification of Cargo Passing Through the Panama Canal Showing Origin and Destination, Fiscal Year Ending June 30, 1925.—Continued.

PACIFIC TO ATLANTIC.—Continued.

(Figures represent tons of 2,240 pounds.)

	TONS OF CARGO FROM—											
	Miscellaneous.	Philippines.	Mexico, west coast.	North America, west coast.	Hawaiian Islands.	Central America, west coast.	Canada, west coast.	Australasia.	Far East.	United States, west coast.	South America, west coast.	Total, from Pacific ports.
Metals:												
Antimony									568	325	201	1,094
Chrome								1,383				1,383
Copper							1,844	100		114,148	201,940	318,032
Gold and silver											1,826	1,826
Iron								50		600	1,000	1,650
Lead				3,055			43,994	6,380		21,204	5,101	79,734
Scrap	62						28	1,004		6,548	851	8,493
Tin						200		308	47		10,336	10,891
Zinc	400			700			8,552	2,000		4,453	1,799	17,904
Other						3	815	831	545	2,918	3,159	8,271
Milk, powdered								1,139		440		1,579
Nitrates	30,326							7,050		1,069	1,839,605	1,878,050
Nuts										711	10	721
Oats	325						400			548	39,811	41,084
Oil:												
Coconut	6,306	2,302							1,521	50		10,179
Cottonseed										50	1,034	1,084
Crude							27,764			3,094,515	685,410	3,807,689
Lubricating								7	175	145,291	11	145,484
Refined									1,168	1,976,206	169	1,977,543
Vegetable									1,276	41	656	1,973
Whale							150	6,289		50	331	6,820
Wood									3,350			3,350
Other								12	1,946		149	2,107
Ore:												
Antimony									299		2,802	3,092
Chrome								11,047	716			11,763
Copper							40	40		15,105	63,919	79,104
Gold and silver											2,110	2,110
Iron								40		1,536	1,332,832	1,334,408
Lead							200	430			9,145	9,775
Magnesite										15,714	5,766	21,480
Manganese								10		8,435	10,065	18,510
Tin							4,611		74	1,175	45,465	51,325
Zinc							4,226	14,343	1,000	17,960	4,250	41,779
Other							3,860	10,370	352	9,150	25,680	49,412
Paint	19									108		127
Paper	893						8,295		15	19,426		28,629
Paper pulp							2,100					2,100

Peanuts										1,716		1,716
Peas								399		36		435
Phosphates								55,665		310	2,600	58,575
Pollards											3,071	3,071
Porcelain									1,761	167		1,928
Potash										100		100
Rags									751	2,932	1,080	4,763
Rice	7,500					215	1,013		5,456	6,460	20	20,664
Rope		4								92		96
Rubber:												
Manufactured										991	46	1,037
Raw						97				380	1,347	1,824
Scrap							11	12		4,685	100	4,808
Salt										312		312
Saltpeter											8,763	8,763
Sand								20				20
Seeds:												
Cotton	68							919		2,261	719	3,967
Grass	20							107			64	191
Hemp								538		130		668
Other								260	230	186	21	697
Shells	20					34		942		69		1,065
Silk										1,224		1,224
Skins and hides	99					563	722	19,409	589	18,507	8,590	48,479
Soap										42		42
Sugar	106,303	62,406				3,037		10,605	17,200	2,000	117,494	319,045
Syrup												
Talc										197		197
Tartar											28	28
Tea							977		7,742	1,127		9,846
Tobacco								33		288		321
Toys									90			90
Vegetables										22	687	709
Waste										179		179
Wax	103									525	25	653
Wheat	43,426						774,298	1,500		354,971	13,546	1,187,741
Wine						19				6,427	135	6,581
Wool						56		105,443	1,450	30,660	8,483	146,092
Totals:												
Fiscal year, 1926	359,728	84,302	2,768	102,913	1,111	87,566	1,650,855	623,399	109,758	10,116,515	4,861,436	18,000,351
Fiscal year, 1925		172,648	24,414	265,676	44,668	88,268	1,082,282	480,539	133,600	9,554,101	4,714,243	16,560,439
Fiscal year, 1924	22,911	92,969	18,798	93,606	32,446	87,317	1,223,102	376,747	193,918	12,984,300	4,008,496	19,134,610
Per cent of total cargo:												
1926	2.0	0.4		0.6		0.5	9.2	3.5	0 6	56.2	27.0	100.0
1925		1.0	0.2	1.6	0.3	0.5	6.5	2.9	0.8	57.7	28.5	100.0
1924	0.1	0.5	0.1	0.5	0.1	0.5	6.4	2.0	1.0	67.9	20.9	100.0

Table II.—Classification of Cargo Passing Through the Panama Canal Showing Origin and Destination, Fiscal Year Ending June 30, 1926.

PACIFIC TO ATLANTIC.—Continued.

(Figures represent tons of 2,240 pounds.)

	TONS OF CARGO TO—										
	United States, east coast.	British Isles.	Other European.	Cristobal, Canal Zone.	Canada, east coast.	West Indies.	South America, east coast.	Mexico, east coast.	Egypt.	North America, east coast.	Miscellaneous.
Agricultural implements	371	22	235								
Alfalfa meal				10							
Asphalt	4,648	90	112				32				
Automobiles	239		26	30							6
Automobile accessories	289										
Balsam	61			5							
Bananas	20,868										
Bark:											
Cascara	100	69	46								
Peruvian	21		21	6							
Quillay	267	23	1,404	30							
Other	458		41								
Barley	52	188,365	125,118								
Beans	42,400	1,046	9,134	389	40	1,231					416
Beeswax	10		4								
Borax	4,065	11,034	36,852								
Bran	30	5,186									
Bones and bonemeal	35										
Canned goods:											
Fish	109,058	23,697	26,549	1,083	1,757	269	2,065				4,232
Fruit	209,110	80,610	53,813	857	713	735	227				10,544
Meat	1,519	807	2,069	53		120					
Milk	4,657	2,418	265								
Vegetables	27,069	20	489	438	150	277					465
Other	28,811	293		557		165					
Celite filtercel	422	20	75								
Cement	1,514	453									
Chalk				179							
Charcoal	257		405								
Chemicals	1,436		100	10			115				
China clay	210		48								
Coal		10	177								
Cocoa	8,537	4	8,077	7,238							
Cocoa leaves			40	15							
Coconuts	1,142										90
Coffee	22,425	32	3,898	53,507	5	206					2,466
Cold storage:											
Beef	10	14,628	7,623		95						
Butter	541	17,105	25,073								
Cheese and caseine	22	12,804	38,795		10						
Eggs	1,200	125									
Lard				118							
Meat		2,396	3,278	20							

Cold storage—continued:											
Mutton	136	40,587	56,483		19						
Tallow	2,844	10,745	9,087	8	669						
Other	26	573	6,050								
Copra	18,337	6,041	35,204								16,641
Corn			11,505	1,750							
Cotton	23,450	19,705	19,605	2,800							290
Cotton seed oil cake	35	11,659	19,744								
Cotton seed oil cake meal			215								
Dyewoods	3,813			1,246							
Earthenware	480	23									
Explosives	700										
Flour	40,460	1,618	20,338	785		240					950
Fruit:											
Dried	66,456	17,622	65,206	15		195	610				125
Fresh	3,294	14,805	45,173	8		191	24				
Furniture	8										
General	648,171	59,388	176,490	32,477	12,438	1,205	8,371		22,507		100
Glass and glassware	3,700			1,031							
Glue	46										
Guano	3,375	4,000									
Gum, kauri	904	638	929		26						
Gum, yucca	212				75						
Graphite	25										
Hair	144										
Hardwood	4,546	346	2,354	4,693							1,074
Hats	661			260							
Hay	7,548			47							
Hemp	17,351	3,396	6,405		2,278						4,285
Honey	144	228	940								
Hops	310	154	315								
Horns and hoofs	178	9	90	3							
Indigo	11			48							
Infusorial earth			132				129				
Ink	19										
Iodine	186	122	326								
Ivory nuts	4,944	30	111,12	2,837							
Jute	291										
Leather			5								
Lime	48										
Linoleum	18										
Liquors	100										
Livestock				4							
Lumber	2,828,520	56,767	107,005	1,340	62,356	26,463	35,412	5,800	13,342		63,306
Manufactured goods:											
Iron and steel	2,141	10	186	21			232				
Machinery	2,316	18	799				785				124
Railroad material	491										
Textiles	1,729		13	145		78					
Other	4,974	2,537	2,616	248			32				1,178
Matches	18										

Table II.—Classification of Cargo Passing Through the Panama Canal Showing Origin and Destination, Fiscal Year Ending June 30, 1926.—Continued.

PACIFIC TO ATLANTIC.—Continued.

(Figures represent tons of 2,240 pounds.)

	TONS OF CARGO TO—										
	United States, east coast.	British Isles.	Other European.	Cristobal, Canal Zone.	Canada, east coast.	West Indies.	South America, east coast.	Mexico, east coast	Egypt.	North America, east coast.	Miscellaneous.
Metals:											
Antimony	918		176								
Chrome			1,383								
Copper	131,855	24,898	124,136	37,043	100						
Gold and silver	131			1,695							
Iron	600	50	1,000								
Lead	8,011	18,576	53,124		23						
Scrap	4,516	1,177	2,738								62
Tin	570	623	9,688		10						
Zinc		1,921	14,783		800						400
Other	2,248	2,352	3,668	3							
Milk, powdered	440	96	1,043								
Nitrates	847,797	110,483	819,304	5,500	16,290	1,784			46,566		30,326
Nuts	721										
Oats	2,616	6,825	31,052	20	118		128				325
Oil:											
Coconut	3,873										6,306
Cotton seed	50		790	239		5					
Crude	2,923,114	46,644	113,437	172,666	507,795	19,133	24,900				
Lubricating	80,588	2,831	62,055	10							
Refined	1,483,376	194,394	280,085	1,523		18,165					
Vegetable	1,317	122	388	146							
Whale	6,266		554								
Wood	3,350										
Other	1,958		149								
Ore:											
Antimony	780	144	2,168								
Chrome	2,000		9,763								
Copper	57,271	153	18,363	3,277	40						
Gold and silver	1,893		200	17							
Iron	1,333,838		570								
Lead	964		8,811								
Magnesite	21,480										
Manganese	12,615	1,735	4,160								
Tin	122	23,140	28,063								
Zinc		12,293	29,486								
Other	9,817	5,358	34,137	100							
Paint	60						48				19
Paper	19,199		354		2,049	140	5,994				893
Paper pulp	2,100										

Peanuts	1,569						147				
Peas	64		371								
Phosphates	2,610		55,965								
Pollards		10	3,061								
Porcelain	1,902			26							
Potash	100										
Rags	4,763										
Rice	7,103		1,214	708	636	3,503					7,500
Rope	92			4							
Rubber:											
Manufactured	966		71								
Raw	1,002		345	477							
Scrap	4,137		655				16				
Salt	312										
Saltpeter			8,763								
Sand			20								
Seeds:											
Cotton	265	941	2,537	156							68
Grass	50	93	28								20
Hemp	668										
Other	466		21		210						
Shells	446		565	34							20
Silk	1,224										
Skins and hides	32,491	3,247	6,838	2,581	3,223						99
Soap	42										
Sugar	73,221	57,943	80,721	857							106,303
Syrup											
Talc	197										
Tartar			28								
Tea	8,869				977						
Tobacco	321										
Toys	90										
Vegetables	608		32	69							
Waste	17[illegible]										
Wax	6[illegible]		2[illegible]				[illegible]				103
Wheat	17,547	18[illegible],625	9[illegible]7,76	31[illegible]			2,[illegible]				49,119
Wine	6,[illegible]7		6[illegible]	5[illegible]			26				
Wool	60,28[illegible]	14,[illegible]	60,561	65	1,678						
Totals, fiscal year, 1926	11,388,56[illegible]	1,[illegible]23,489	3,757,336	341,8[illegible]	614,580	74,0[illegible]	82,130	5,800	82,415		330,055
Totals, fiscal year, 1925	10,821,[illegible]3	2,355,787	2,35[illegible],5[illegible]	156,[illegible]4	379,284	1[illegible]1,969	68,631	176,517	102,106	19,152	21,331
Totals, fiscal year, 1924	1[illegible],811,341	2,1[illegible],9[illegible]	1,9[illegible]	214,546	197,2[illegible]4	127,352	35,1[illegible]	504,160	43,057	1,400	34,004
Per cent of total cargo, 1926	63.3	7.4	20.9	1.9	3.4	0.4	0.[illegible]		0.5		1.8
Per cent of total cargo, 1925	65.3	14.2	14.2	0.9	2.3	0.7	0.4	1.1	0.6	0.1	0.2
Per cent of total cargo, 1924	72.2	11.3	10.4	1.1	1.1	0.7	0.2	2.6	0.2		0.2

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending August 28, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
Acajutla	Pacific Steam Nav. Co		August 22		1,150
Ancon	Panama Railroad S. S. Line		August 22		850
Negada	Kosmos Line		August 22		77
Bowden	United Fruit Co		August 22		378
Calamares	United Fruit Co	August 22	August 22	19	1
Heredia	United Fruit Co	August 22	August 22	274	170
Geo. Whittaker	Geo. Whittaker	August 23	August 23	(1)	53
Rugia	Hamburg-American Line	August 23	August 24	158	80
Wiegand	Roland S. S Line		August 24		52
Amazonas	Peruvian Line	August 23	August 24	77	(2)
Essequibo	Pacific Steam Nav. Co	August 23	August 24	20	719
Santa Tecla	N. O. & So. American S. S. Line	August 23	August 24	804	(2)
Montevideo	Spanish Line	August 23	August 25	163	386
Pastores	United Fruit Co	August 23	August 25	347	43
Grootendyk	Holland-American Line	August 24	August 25	56	239
Turrialba	United Fruit Co	August 24	August 26	907	100
Heredia	United Fruit Co	August 25	August 25	7	(3)
Santa Elisa	Grace Line	August 25	August 26	14	8
Sixaola	United Fruit Co	August 25	August 26	292	301
Perou	French Line	August 25	August 27	112	345
Westerwald	Hamburg-American Line	August 26	August 27	248	77
Favorita	Standard Fruit S. S. Co	August 26	August 26	207	5
La Marseillaise	French Line	August 26	August 26	18	53
Van Renselaer	Royal Neth. W. I. Mail	August 26	August 26	48	(2)
Tivives	United Fruit Co	August 26	August 26	1	109
Cauca	National Navigation Co	August 27		239	
Favorita	Standard Fruit S. S. Co	August 27	August 28	(1)	252
San Jose	United Fruit Co	August 28	August 28	¾	312
Buenaventura	Panama Railroad S. S. Line	August 28		448	
Utah	French Line	August 28		726	
Van Renselaer	Royal Neth. W. I. Mail	August 28	August 28	1	198
Musician	T. & J. Harrison S. S. Line	August 28		884	

[1] No cargo discharged. [2] No cargo laded. [3] 200 pounds.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending August 28, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
Havana Maru	Osaka Shosen Kaisha	August 22	August 22	15	(1)
Lebec	General Petroleum Co. of Calif.	August 22	August 22	9,840	(1)
Amazonas	Peruvian Line	August 22	August 23	65	(1)
Nora	Grace Line	August 23	August 23	6,857	(1)
Rosana	A. Fait	August 23	August 25	200	(1)
Cambrai	U. S. Government	August 24	August 25	181	192
Epoca	West India Oil Co	August 27	August 28	103	41
Mazorka	Cia Ballenera del Peru	August 27	(2)	278	(3)
Indien	Dupont & Co	August 25	August 25	(2)	2
Edgar F. Luckenbach	Luckenbach Line	August 28	(3)	3,661	(3)

[1] No cargo laded. [2] No cargo discharged. [3] Remaining in port.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Transit and Harbor Regulations of The Panama Canal," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Location of Patients and Visiting Hours, at Ancon Hospital.

The following table shows the distribution of patients in the Ancon hospital buildings and the visiting hours for the various wards and sections:

Section and Ward.	Visiting Hours.
Section "B:"	
Ward 5, Male, private rooms, American boys	Daily 9.30 to 11 a. m.; 2.00 to 4.30 p. m.; 6.30 to 8.00 p. m. (No visitors permitted in nursery.)
Ward 6, Foreign, male and female, private rooms, American girls	
Ward 7, White female, private rooms	
Ward 8, Obstetrical department, white females (Nursery)	
Section "C:"	
Ward 9, White foreign, male	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p. m.
Ward 11, Colored, male, surgical	
Ward 12, Colored, male, medical, eye and ear	
Ward 13, Colored, male, G. U	
Ward 14, American, male, G. U	
tion "D:"	
Ward 15, American, male, surgical	Tuesdays, Thursdays, and Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m.
Ward 16, American, male, medical, eye and ear	Sundays and holidays, 9.30 to 11 a. m.; 2.30 to 4.30 p. m.
Ward 17, Colored children	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p. m.
Ward 18, White children	Daily 9.30 to 11 a. m.; 2 to 4 p. m.
Ward 19, Colored, female, medical	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p. m.
Ward 20, Colored, female, surgical, obstetrical	
Isolation	No visitors permitted except to visit tuberculosis patients, Thursdays, Sundays, and holidays, 1.30 to 3 p. m.

Permission to visit outside of visiting hours will be granted upon application to the Superintendent's Office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution, away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Current Net Prices on Fuel Oil, Diesel Oil and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.05 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $8.50 per ton of 2,240 pounds at Cristobal, and $11.50 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $8.50 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $9.50 per ton at Cristobal, $12.50 at Blaboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage in such cases, as provided in Paragraph 4, Item 3, of the tariff, and for handling lines in accordance with Item 4, of the tariff

Sale of Buildings.

The Panama Canal offers for sale to the highest bidder, a number of buildings located on High Street, Gatun. Sealed bids will be received in the office of the Chief Quartermaster, The Panama Canal, Balboa Heights, C. Z., up to 10.30 a. m., September 15, 1926. Forms of proposal and full particulars may be had upon application to the offices of the Chief Quartermaster and the District Quartermasters at Cristobal and Gatun.

MOVEMENTS OF OCEAN VESSELS.—Continued from page 50.

PORT OF CRISTOBAL.—Continued.

* ARRIVALS.

Date.	Vessel.	Line.	From—
August 25	Peron	French Line	St. Nazaire via wayports.
August 25	Sixaola	United Fruit Co	New York via Kingston.
August 26	Van Rensselaer	Royal Netherlands W. I. Mail	Amsterdam via wayports.
August 26	Favorita	Standard Fruit S. S. Co	N. O. and Pto. Cabeza.
August 26	Tivives	United Fruit Co	Santa Marta, Colombia.
August 26	Westerwald	Hamburg-American Line	Hamburg via wayports.
August 27	Favorita	Standard Fruit S. S. Co	San Blas, R. P.
August 28	San Jose	United Fruit Co	New York via wayports.
August 28	Van Rensselaer	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
August 28	Mystician	T. & J. Harrison	Liverpool via wayports.
August 28	Relay [1a]	All-America Cables	High seas.

[1a] Cable ship. [1] Motor schooner.

* DEPARTURES.

Date.	Vessel.	Line.	For—
August 26	Tivives	United Fruit Co	New York via Kingston.
August 26	Turrialba	United Fruit Co	New Orleans via wayports.
August 26	Van Rensselaer	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
August 26	Favorita	Standard Fruit S. S. Co	San Blas, R. P.
August 27	Peron	French Line	St. Nazaire and wayports.
August 27	Linda S. [19]	United Fruit Co	Colon, R. P.
August 27	Westerwald	Hamburg-American Line	Tampico, Mexico.
August 28	Favorita	Standard Fruit S. S. Co	New Orleans, La.
August 28	San Jose	United Fruit Co	New York via Habana.
August 28	Van Rensselaer	Royal Netherlands W. I. Mail	Amsterdam via wayports.

PORT OF BALBOA.

Date.	Vessel.	Line.	From—
August 22	Lehee	Gen. Pet. Co. of Calif.	San Pedro, Calif.
August 23	Nora	Grace Line	San Pedro, Calif.
August 27	Epoca [21]	West India Oil Co	Talara, Peru.
August 23	Rosana [21]	A. Fait	Puntarenas, Costa Rica.
August 27	Caralolo [20]	Colombian Government	Buenaventura, Colombia.

[20] Coast Guard. [21] Motor schooner.

Date.	Vessel.	Line.	For—
August 23	Lehee	Gen. Pet. Co. of Calif.	Los Angeles, Calif.
August 23	Nora	Grace Line	La Union, Salvador.
August 26	Rosana [21]	A. Fait	Puntarenas, Costa Rica.
August 28	Epoca [21]	West India Oil Co	San Jose de Guatemala.

* Other than ships passing through the Canal.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., September 8, 1926. No. 5.

Record Traffic for First Eight Months of Calendar Year.

For the eight months' period from January 1 to August 31, 1926, the revenue collected in tolls from traffic passing through the Canal aggregated $16,007,661.86, equivalent to average receipts of slightly more than $2,000,000 per month. The foregoing figures exceed corresponding figures for tolls for the same period during any previous year's traffic. With the fall movement of fruit, canned goods, and grain augmenting the normal traffic, it is unlikely that there will be any slump in traffic during the remaining four months of the calendar year and it is probable, therefore, that total revenue from tolls for the present calendar year will be approximately $24,000,000. The record calendar year's traffic to date was in 1923 when receipts from tolls aggregated $22,966,838.18, or an average of $1,913,903.18 per month. It is likely that tolls for 1926 will exceed the 1923 record by about $1,000,000.

Statistics of traffic passing through the Canal for the period from January 1 to August 31, inclusive, for the past 6 years, are given in the following tabulation:

January 1 to August 31, inclusive:	No. of transits.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
1921	1,846	7,481,465	$7,394,514.67	7,157,843
1922	1,865	7,899,228	7,720,828.56	8,164,543
1923	3,255	15,843,054	14,681,858.46	16,151,346
1924	3,314	16,649,870	15,555,793.20	17,534,610
1925	3,090	14,886,191	13,879,737.74	15,418,550
1926	3,643	17,357,372	16,007,661.86	18,389,760

Supplement No. 3 to Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., *September 3, 1926.*

Regulation 174.1 is amended to read as below:

H. BURGESS,
Acting Governor.

(NOTE—This regulation should be inserted in Chapter XIII, page 59, of "*Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters,*" 1925 edition.)

REGULATION 174.1 *Routing of Messages:* Messages may be sent to either Colon or Balboa Radio stations by ships approaching the Panama Canal or in Canal Zone waters, preference being given to the nearer station. The highpower station at Darien will not handle commercial work. Ships in the Pacific more than 50 miles from Balboa will communicate with Cape Mala Radio station, from which station messages are relayed to the Canal Zone or Republic of Panama by telegraph.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, September 4, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Stuart Dollar	28	17.25	29	6.20	29	16.28	29	17.30	American	Dollar Line	429.0	55.2	19.6	Norfolk, Va	Los Angeles, Calif.	General	3,252	7,584	5,538
Murex [1]	28	17.35	29	6.20	29	17.13	29	23.11	British	Anglo-Saxon Pet. Co.	412.2	53.4	17.0	Portishead, Eng	San Pedro, Calif.	Ballast		6,279	4,361
Tokiwa Maru	28	19.55	29	7.30	29	18.25	29	19.42	Japanese	Nippon Yusen Kaisha	445.0	58.0	26.6	New York, N. Y	Kobe, Japan	General	8,008	7,657	5,346
Cities Service Petrol [1]	29	5.05	29	7.30	29	19.05	29	20.10	American	Cities Service Trans. Co	468.3	62.7	17.0	Boston, Mass	San Pedro, Calif.	Ballast		9,892	6,961
Onondaga	29	6.55	29	8.55	29	20.52	29	22.00	American	Ford Motor Co	251.0	43.6	18.9	New York, N. Y	Los Angeles, Calif.	Ford motor parts	2,301	2,656	1,632
Banan	20	6.35	29	9.25	29	17.05	29	17.05	Norwegian	United Fruit Co	250.0	34.7	13.6	Port Limon, C. R.	Gatun, C. Z [2]	Bananas	168	1,680	987
Port Denison	29	9.10	29	11.45	29	20.00	29	21.10	British	Com. & Dom. Line	480.4	60.3	29.5	London, England	Australia	General	7,927	10,595	8,028
David McKelvy	29	13.30	29	12.45	29	21.35	29	22.44	American	Tidewater Oil Co	430.0	53.2	19.6	New York, N. Y	San Pedro, Calif	Ballast		7,629	5,325
Blythmoor	29	10.55	29	13.30	29	22.42	29	23.54	British	W. Runciman & Co	420.0	54.0	28.0	Guayabal, Cuba	Shanghai, China	Raw sugar	9,030	6,963	5,008
U. S. N. Air Station [2]			29		29	8.37			American	U. S. Navy				Cristobal, C. Z	Gatun, C. Z	Ballast			
Ionic	29	5.25	30	6.05	30	14.52	30	16.00	British	White Star Line	500.3	63.3	28.7	Southampton, Eng.	New Zealand	General	5,753	12,872	9,577
Utah	28	11.45	30	6.16	30	14.59	30	16.20	French	French Line	375.2	51.4	18.5	Havre, France	Talcahuano, Chile	General	1,649	5,296	3,737
Montrolite [1, 3]	29	16.48	30	7.23	30	15.45	30	16.50	British	Imperial Oil Co	510.9	68.3	23.00	Montreal, Canada	San Pedro, Calif.	Ballast		11,555	7,678
Agwistone [1]	29	20.10	30	7.40	30	16.05	30	17.10	American	International S. S. Co.	499.9	68.0	21.0	New York, N. Y.	San Pedro, Calif.	Ballast		10,853	7,804
I. C. White [1]	29	22.40	30	8.40	30	17.02	30	18.05	American	Pan-Amer. Pet. & Tr. Co.	429.3	59.2	13.6	Boston, Mass	San Pedro, Calif.	Ballast		7,925	5,840
Canadian Ranger	30	5.45	30	8.40	30	16.35	30	17.45	British	Can. Govt. Mer. Marine	400.4	52.0	24.0	Antwerp, Belgium	Vancouver, B. C.	General	6,344	5,879	4,121
Tusitala [1]	30	7.30	30	9.05	30	18.45	30	20.20	American	J. F. Andrews	261.0	39.0	20.10	New York, N. Y	Honolulu, T. H.	(4)	2,500	1,802	1,646
Buenaventura	28	6.40	30	10.08	30	18.01	30	19.12	American	Panama R. R. S. S. Line	251.0	43.0	22.5	New York, N. Y	Guayaquil, Ecuad'r	General	3,313	2,873	1,776
Heffron	30	8.30	30	10.15	30	17.24	31	1.30	American	Weyerhaeuser Tim. Co.	440.0	55.0	16.0	Baltimore, Md	Everett, Wash	Ballast		8,299	6,087
Sucrosa [1]	30	10.50	30	11.05	30	19.06	30	20.20	American	Crew, Levick & Co	389.0	51.7	19.6	Philadelphia, Pa.	San Pedro, Calif.	Ballast		6,190	4,381
Swiftsure [1]	30	11.00	30	11.20	30	20.05	31	6.28	American	C. D. Mallory & Co.	465.0	60.2	21.0	New York, N. Y	San Pedro, Calif.	Ballast		8,473	6,017
Kathlamba	28	22.23	30	12.05	30	20.47	30	22.06	British	Ellerman & Bucknall	434.0	54.7	22.0	New York, N. Y.	Auckland, N. Z.	Case oil, general	5,158	8,124	6,303
Orleans	30	10.25	30	12.30	30	21.30	30	23.05	American	Quaker Line	395.0	55.0	19.6	Philadelphia, Pa.	Portland, Oreg	General	3,013	7,339	5,233
Lebore	29	13.15	30	13.35	30	22.37	30	23.47	American	Ore Steamship Corp.	549.0	72.0	22.7	Norfolk, Va.	Cruz Grande, Chile	Ballast		14,325	4,635
Oriana	30	16.22	31	6.05	31	14.23	31	15.20	British	Pacific Steam Nav. Co	465.7	56.0	23.3	Liverpool, Eng	Valparaiso, Chile	General	2,849	8,620	5,345
Jamaica	27	19.59	31	6.08	31	15.44	31	16.55	British	Pacific Steam Nav. Co	220.0	34.0	12.7	Cristobal, C. Z	Buenaventura, Col.	General	969	1,187	622
Vulcano	29	13.30	31	6.20	31	15.30	31	16.45	Italian	Italian Line	377.6	51.0	15.6	Genoa, Italy	Talcahuano, Chile	General	1,554	5,643	3,964
Matakana	30	8.53	31	7.15	31	16.28	31	17.30	British	Shaw, Savill & Albion	477.0	62.7	26.2	Liverpool, England	New Zealand	General	4,594	11,047	7,822
Eurana	30	16.27	31	7.15	31	16.58	31	18.15	American	Planet Steamship Line	400.0	55.2	27.3	Baltimore, Md	Vancouver, B. C.	Steel, general	8,165	7,381	5,595
Atlantic	30	19.05	31	8.25	31	17.20	9.1	0.55	American	Argonaut S. S. Line	410.5	54.0	24.0	Baltimore, Md	Tacoma, Wash	General	7,613	6,567	4,917
Silverfir [1, 3]	31	00.05	31	8.50	31	18.00	8.31	19.30	British	Kerr Steamship Co	375.0	52.6	24.0	Philadelphia, Pa.	Shanghai, China	General, sugar	6,275[5]	6,085	4,676
Tuxpanoil [1]	31	00.20	31	9.43	31	18.48	9.1	8.07	American	Oil Transport Co	431.0	53.2	20.0	Providence, R. I.	San Pedro, Calif.	Ballast		7,862	5,049
Suwordenco	31	00.30	31	10.05	31	19.42	8.31	21.02	American	Transmarine Lines	324.0	45.2	22.7	Newark, N. J	San Francisco, Cal.	General	3,000	3,984	2,612
Jacob Luckenbach	31	4.45	31	11.10	31	20.28	31	22.00	American	Luckenbach Line	414.5	53.7	24.0	Houston, Tex	San Pedro, Calif.	General	4,617	7,315	5,270
Sciota [5]	30	19.15	31	6.30	31	14.05			American	U. S. Navy	149.3	30.0		Cristobal, C. Z	Balboa, C. Z	Ballast			

[1] Tanker. [2] Launch. [3] Motor ship. [4] Sailor. [5] Tug. [6] And return to Mobile, Ala. [7] Sulphate of ammonia.

Forresbank [3]	31	14.20	1	6.20	1	13.37	1	14.35	British	Bank Line, Ltd	419.0	53.0	22.0	New York, N. Y.	Hongkong, China	Case oil, general	5,607	7,097	5,009
William Campion	9-1	00.55	1	6.30	1	14.20	1	15.20	American	Garland S. S. Corp.	384.4	51.2	17.0	Norfolk, Va.	Los Angeles, Calif.	General	3,100	6,327	4,433
Southwestern Miller	1	6 00	1	7 30	1	14.55	1	21.34	British	Furness, Withy & Co	420.0	53 0	17.0	Hull, England	Los Angeles, Calif.	General	653	7,138	5,122
Dorothy Luckenbach	8-31	23.05	1	8.40	1	15.53	1	17.25	American	Luckenbach Line	448.9	60.2	24.6	New York, N. Y.	Seattle, Wash.	General	5,875	9,294	6,861
Frost [3]	9-1	6 40	1	9.28	1	17.10	1	18.25	Swedish	General Steamship Corp	270.9	41.1	17.6	Habana, Cuba	Portland, Oreg.	(11)	2,475	2,460	1,574
E. M. Clark [4]	1	9.12	1	9.40	1	17.42	1	22.26	American	Standard Oil Co	500.4	68.0	17.0	Montreal, Canada	San Pedro, Calif.	Ballast		11,063	8,033
Mexican	1	6.15	1	10.45	1	18.34	1	19.51	American	Amer.-Hawaiian Line	472.3	57.2	20.0	Boston, Mass.	Portland, Oreg.	General	3,737	9,258	6,874
Mundelta	1	11.15	1	11.30	1	19.21	1	20.36	American	Munson-McCor'k Line	370.0	53.2	20.0	New York, N. Y.	Seattle, Wash.	General	4,880	5,668	4,297
Ashbee [3]	8-31	17.35	1	13.05	1	20.15	2	1.50	American	Grace Line	333.8	48.0	18.6	New York, N. Y.	Chanaral, Chile	General	2,535	4,101	2,687
El Norte [8]	9-1	6.15	1	6.15	1	16.05	1	17.00	Panaman	Enrique Heurtado				Colon, R. P.	Balboa, C. Z.	Ballast		32	26
Hurry On	1	8.00	2	6.15	2	14.17			British	J. Dalzell	174.0	29.4	10.9	Antwerp, Belgium	Vancouver, B. C.	Liquors	490	722	460
LaPlata Maru [3]	1	14.05	2	5.57	2	12.58	2	13.50	Japanese	Osaka Shosen Kaisha	430 0	56.0	18.9	Buenos Aires, Arg.	Kobe, Japan	General	1,225	7,875	5,821
British Monarch	1	16.10	2	6.27	2	13.47	2	14.55	British	Canadian Transp. Co	420 0	54 0	20.9	Boca Grande, Fla.	Powell River, B. C.	(12)	5,500	6,716	4,872
Franklin K. Lane [4]	2	1.10	2	7.30	2	15.10	2	16.10	American	Pan-Amer. Pet. & Tr. Co.	435.0	56 2	20.0	Baltimore, Md.	Los Angeles, Calif.	Ballast		7,405	5,131
H. H. Rogers [4]	2	7.20	2	8.30	2	16.09	2	17.20	American	Standard Oil Co.	590 0	68.0	19.0	New York, N. Y.	San Pedro, Calif.	Ballast		10,333	7,475
Willfaro	2	5.05	2	9.50	2	17.04	3	9.49	American	Williams Line	386.8	52 2	20.0	Norfolk, Va.	Seattle, Wash.	General	4,786	5,684	4,070
Georgie	8-29	10.30	2	11.05	2	17.37	2	18.43	French	French Line	410 1	52.7	19.2	Havre, France	Talcahuano, Chile	General	1,946	6,830	4,932
Papanui	9-2	11.15	2	12.00	2	19 29	3	00.38	British	Federal Steam Nav. Co	469.1	58.5	25 0	New York, N. Y.	Brisbane, Australia	General	6,310	8,772	6,457
Taransay	2	10.50	2	13.15	2	20.56	3	2.20	British	B. J. Sutherland & Co.	399 0	52 4	25.4	Galveston, Tex.	Auckland, N. Z.	Sulphur	7,375	5,785	4,070
Tres Hermanos [8]			2		2	11.52			Panaman	W. E. Porter				Cristobal, C. Z.	Balboa, C. Z.	(13)		5	5
Frances [9]			2		2	11.52			Panaman	W. E. Porter				Cristobal, C. Z.	Balboa, C. Z.	Ballast		11	11
Pear Branch	2	16.35	3	6.13	3	14.43	3	15.50	British	F. & W. Ritson	398.0	53.8	20.8	Liverpool, England	Valparaiso, Chile	General	2,580	5,760	3,866
Borgestad [3]	3	1.15	3	7.25	3	16.15	3	21.00	Norwegian	Gunner Knudsen	359.3	51.4	19.6	Antwerp, Belgium	San Francisco, Cal.	Sand	4,500	4,716	3,235
Henry D. Whiton	3	5.25	3	7.25	3	15.54	3	19.42	American	Union Sulphur Co	356.0	51 6	25.5	Sabine, Tex.	Oakland, Calif.	Sulphur (bulk)	6,400	5,367	2,925
Aconcagua	3	6.12	3	11 20	3	17.35	3	18.30	Chilean	Chilean S. S. Line	422.8	56 2	25.0	New York, N. Y.	Valparaiso, Chile	General	2,105	7,758	4,705
Firmore	2	15.25	4	6.13	4	14.02	4	15.10	American	Ore Steamship Corp.	449.1	57.0	19.9	Norfolk, Va.	Cruz Grande, Chile	Ballast		7,847	5,185
Isabela [10]	8-16	10.30	4	6.15	4	16.18	4	17.45	Ecuadorian	Aug. F. Christensen	40 1	14.4	6.0	Norway	Guayaquil, Ecuador	Ballast		14	11
Walter Jennings [4]	9-2	22.50	4	7.00	4	15.01	4	16.00	American	Standard Oil Co	499.2	68.0	17.3	Cristobal, C. Z.	San Pedro, Calif.	Ballast		11,037	7,995
Steel Engineer	4	1 00	4	8.25	4	16.10	4	21.50	American	Isthmian S. S. Lines	424.2	56.2	25 3	Mobile, Ala.	Kobe, Japan	(14)	8,155	7,611	5,450
Frederic R. Kellogg [4]	4	13.20	4	13.30	4	20.11	5	00.57	American	Pan-Amer. Pet. & Tr. Co.	425.8	57 0	23.0	Providence, R. I.	San Pedro, Calif.	Ballast		7,178	4,963

[3] Tanker. [8] Motor schooner. [9] Barge. [10] Motor sloop. [11] Sugar and scrap iron. [12] Phosphate rock and sulphur. [13] Towing barge *Frances*. [14] Rails, iron pipe, and general.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Omphale [4]	8-28	21.45	29	5.59	29	14.30	29	17.45	French	Cia Aux. de Navigation	422.40	57.52	25.8	San Pedro, Calif.	Bordeaux, France	Gasoline	7,774	6,663	4,427
Greylock	28	16.45	29	7.02	29	15.20	29	15 29	American	Isthmian S. S. Lines	430.7	54.3	27.0	Los Angeles, Calif.	Avonmouth, Eng.	Lumber, general	7,054	7,946	5,698
Agnes E [15]	29		29	7.05	29				Panaman	Pacific Fruit Co	57.0	20.0		Panama Bay, R. P.	Gatun Lake, C. Z.			57	29
Willpolo	28	20.00	29	8.25	29	16.48	29	16.48	American	Williams Line	386.8	52.2	25.0	Seattle, Wash.	New York, N. Y.	Lumber, general	6,802	5,680	4,080
Almagro	28	22.40	29	8.44	29	17.05	29	23.50	British	Pacific Steam Nav. Co.	303.4	43.0	15.5	Pimental, Peru	New York, N. Y.	General	667	2,878	1,714
Arkansas	28	22.15	29	9.15	29	18 50	31	15 35	French	French Line	448.08	3 33	26.0	Vancouver, B. C.	Havre, France	(16)	8,805	7,678	5,563

[4] Tanker. [15] Commercial launch. [16] Wheat, concentrates, and general.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Swifteagle [1]	29	5 00	29	9.44	29	18 45	29	18 45	American	C. D. Mallory & Co.	464.65	60 2	27 6	Los Angeles, Calif.	Fall River, Mass.	Crude oil	11,099	8,473	5,997
Dunstaffnage	29	4 30	29	10 21	29	19 30	29	21 05	British	Glenn & Co.	384.9	52.0	24 5	Antofagasta, Chile.	New York, N. Y.	Copper, nitrates.	6,951	5,173	3,651
Point Penita	24	13 54	29	11 00	29	19 55	29	21 00	American	Swayne & Hoyt.	324 0	61 2	22 0	Vancouver, B. C.	New Orleans, La.	General	2,993	3,984	2,617
Margaret Dollar	29	5 30	29	11 29	29	21 10	29	21 10	American	Robert Dollar Co.	429.0	55 6	27 6	Seattle, Wash.	Norfolk, Va.	General	8,615	7,579	5,527
Rhodopis	29	10 00	29	11.35	29	20 48	30	23 30	German	Kosmos Line	453.0	53 0	21.11	Valparaiso, Chile.	Hamburg, Germany	General	3,990	7,525	5,154
Jugoslaviia	29	9 10	29	12 14	29	22 25	30	9.40	Jugo-Slav.	Paburizza & Co., Ltd	410.0	49 0	25 10	Taltal, Chile	Alexandria, Egypt	Nitrate of soda	7,796	5,686	4,188
W. S. Miller [1]	29	11 33	29	12 53	29	23 45	30	1 15	American	Standard Oil Co. of Calif.	435.0	56.0	29 6	San Francisco, Cal.	New York, N. Y	Gas oil	10,400	7,470	5,144
Rochester [17]			29	13.36	29	22 20	30	1 30	American	U. S. Navy	384.0	64 9	27 0	Balboa, C. Z.	Nicaragua, C. A.				
Herakles	29	12 30	29	13.57	30	00.42	30	4 30	Norwegian	E. I. DuPont de Ne'rs	389.8	54.1	24 3	Iquique, Chile	Sorel, Canada	Nitrate of soda	8,000	5,689	4,220
Banan			29		29	17 05	29	17 05	Norwegian	United Fruit Co.	250.0	34.7		Gatun Lake, C. Z.	Mobile, Ala.	Bananas	168	1,680	987
G. Harrison Smith [1]	29	23 24	30	6.05	30	17.10	30	19 18	British	Inter. Shipping Corp.	550.6	72 35	33 6	San Pedro, Calif.	Lands End [20]	Fuel oil	18,554	15,476	10,751
Ansaldo San Giorgio I [18]	29	6 00	30	7.35	30	17.45	30	17 45	Italian	Italian Line	385.7	49.0	23.0	Valparaiso, Chile.	Gibralter, [20]	Nitrate of soda	6,700	5,657	4,069
James McGee [1]	29	23 15	30	8 13	30	18 20	30	18 20	American	Standard Oil Co. of N. J.	499.1	68 2	31.0	Talara, Peru	Charleston, S. C.	Crude oil	17,000	10,969	7,909
Sciota [10]			30	9.43	30	19 15	31	6 30	American	U. S. Navy	155.0	30.0		Balboa, C. Z.	Cristobal, C. Z.	([21])			
Mississippi	29	23 30	30	10 31	30	19.55	31	18 05	French	French Line	410.0	52 4	23.6	Corral, Chile	Le Havre, France.	General	6,592	7,156	4,984
Nagato Maru	30	9 30	30	12 00	30	20 20	30	21 40	Japanese	Nippon Yusen Kaisha.	385.0	51 0	24.0	Yokohama, Japan	Liverpool, England	Canned salmon	6,272	6,043	4,599
Chilore	30	8 00	31	6 06	31	15.32	31	15.32	American	Ore Steamship Corp.	549.65	72.25	34.6	Cruz Grande, Chile	New York, N. Y	Iron ore	20,000	14,538	9,348
Benlawers	29	23 00	31	6 55	31	16 20	31	17 20	British	Pen Line	360.0	46.1	22.6	Portland, Oreg.	Newport News [20]	Wheat	5,163	4,246	3,068
Santa Teresa.	31	6 30	31	8.10	31	14 59	31	17 04	American	Grace Line	360.2	51.6	24.6	San Antonio, Chile	New York, N. Y.	General	4,225	5,726	4,086
Agwibay [1]	30	16 17	31	8.55	31	17.08	31	17 08	American	Inter. Shipping Corp.	468.3	62.7	28.0	San Pedro, Calif.	New York, N. Y.	Crude oil	12,000	9,776	6,903
Loreta [18]	30	15 50	31	9 27	31	16 30	31	17 43	British	Pacific Steam Nav. Co	404.2	54 2	13 3	Talcahuano, Chile.	Tarasa, Cuba [20]	Ballast		7,334	5,037
Manhattan Island	31	3.37	31	9 51	31	17 43	31	17 43	American	Munson S. S. Line	386.8	52 2	22 0	Vancouver, B. C.	Charleston, S. C.	Lumber	5,600	5,696	4,125
Standard [1]	31	5.17	31	10 13	31	18 25	31	18 25	American	Standard Oil Co. of N. J	523.88	68 68	29 06	San Pedro, Calif.	Baltimore, Md	Fuel oil	17,148	12,171	8,782
Ohioan	31	5 19	31	10 38	31	18 45	31	18 45	American	Amer. Hawaiian Line	407.7	53 7	22 09	San Francisco, Cal.	New York, N. Y.	General	4,656	7,112	4,896
Jacksonville [18]	31	9 00	31	11 08	31	19 35	1	1 05	American	Grace Line	333.8	48 0	22 0	Chanaral, Chile	New York, N. Y.	Nitrate, coffee	3,759	4,128	2,664
Pacific Fir	31	10 00	31	11 47	31	20 00	31	20 00	American	Ocean Transp. Co.	410.5	54 0	24 08	Everett, Wash.	Philadelphia, Pa.	Lumber	7,225	6,622	4,882
Bengal Maru	31	3.55	31	13 00	31	20 27	31	20 27	Japanese	Nippon Yusen Kaisha.	409.0	54.5	16 06	Yokohama, Japan.	Boston, Mass.	General	1,517	5,827	4,125
Edward Luckenbach	31	12 05	31	13.42	31	21 40	31	21.40	American	Luckenbach Line	436.61	57.25	2.80	Portland, Oreg.	Philadelphia, Pa.	Lumber, general.	7,952	8,543	6,427
Norwich City	31	10.15	9-1	6.10	9-1	14.15	9-1	14.15	British	Canadian Transp. Co.	390.0	55.0	25.0	Victoria, B. C.	Quebec, Canada	Lumber	7,170	6,051	4,514
Albertolite [1]	9-1	2 45	1	7.21	1	16 35	1	16 35	British	Imperial Oil Co	463.03	60 0	27.7	Talara, Peru	Montreal, Quebec.	Crude oil	12,000	8,491	5,879
Robin Hood	1	4 00	1	8 44	1	17 00	1	17.00	American	Isthmian S. S. Lines.	424.8	55 2	26.0	Alberni, B. C.	New York, N. Y.	Lumber	8,082	7,473	5,533
Swiftwind [1]	1	4.10	1	9 12	1	17 30	1	19 50	American	C. D. Mallory & Co.	464.65	60.2	29.0	San Pedro, Calif.	Fall River, Mass.	Crude oil	11,200	8,473	5,997
Finland	8-31	20 15	1	10.14	1	18 15	1	18 35	American	Panama-Pacific Line	560.0	60.2	26.11	San Francisco, Cal.	New York, N. Y.	General	7,035	13,559	9,016
Easterling	9-1	5 24	1	11.11	1	18 45	2	11 25	American	U. S. & Aust. Line	384.8	51.2	14.8	Sydney, Australia.	New York, N. Y.	Gen., wool, hides	150	5,967	4,449
Cape York [18]	1	2 00	1	13.18	1	20.33	1	22 05	British	Lyle Shipping Co., Ltd.	409.08	54 0	26.6	Kohsichand, Saigon	Cuba	Rice	8,520	6,927	4,802

[1] Tanker. [17] Light cruiser. [18] Motor ship. [10] Navy tug. [20] For orders. [21] Towing barge *No. 2.*

Venezuela	1	4.00	2	6.24	2	14.00	3	17.20	American	Panama Mail S. S. Co.	380.0	48.7	21.0	San Francisco, Cal.	New York, N. Y.	General	1,867	6,033	4,353
Sabatowan	1	18.45	2	7.10	2	15.20	2	15.20	American	Munson S. S. Lines	386.8	52.2	22.5	Portland, Oreg.	Baltimore, Md.	(22)	6,000	5,708	4,138
Ares	1	10.30	2	8.11	2	16.40	2	17.35	Dutch	Royal Neth. W. I. Mail	341.0	48.0	12.0	Corral, Chile	Jucaro, Cuba	Ballast	.....	5,708	4,138
Salvador	1	18.20	2	8.14	2	16.40	6	13.10	British	Pacific Steam Nav. Co.	215.0	33.5	16.0	Champerico, Guat.	Cristobal, C. Z.	General	781	1,270	735
Charles H. Cramp	1	24.00	2	8.41	2	17.10	2	17.10	American	Argonaut Line	404.6	53.9	26.6	Honolulu, T. H.	Baltimore, Md.	(23)	6,581	6,755	4,750
Peterton	2	1.50	2	9.10	2	18.20	2	19.50	British	R. Chapman & Son	399.6	52.4	24.6	Portland, Oreg.	St. Thomas 20	Wheat	7,570	5,885	4,144
Charles Pratt [1]	2	5.20	2	9.34	2	17.18	2	19.18	American	Standard Oil Co. of N.J.	500.0	68.0	30.0	San Pedro, Calif.	Montreal, Canada	Crude oil	16,000	10,313	7,492
Golden Gate	2	7.30	2	10.01	2	18.25	2	18.25	Norwegian	K. Knutsen (O. A. S.)	381.5	53.1	24.4	Nanoose Bay, B. C.	Camden, N. J.	Lumber, general	6,675	5,616	3,879
Walter Jennings [1]	2	13.00	2	13.47	2	22.50	4	7.00	American	Standard Oil Co. of N.J.	499.2	68.1	30.0	San Pedro, Calif.	Cristobal, C. Z.	Crude oil	15,000	11,037	7,995
Benledi	2	13.45	2	14.47	2	23.25	3	2.30	British	Col. Pac. Shipping Co.	379.0	46.1	22.3	Portland, Oreg.	Leith, Scotland	(21)	4,854	4,179	3,067
Lio [1] [18]	2	7.45	3	6.04	3	14.10	3	14.10	American	Gen. Petroleum Co.	431.0	59.2	27.0	Los Angeles, Calif.	Baltimore, Md.	Gasoline	9,600	7,486	5,112
Ethelfreda	2	19.55	3	7.13	3	15.00	3	17.20	British	Harrowing S. S. Co.	400.0	52.8	24.4	Portland, Oreg.	Queenstown, Ire.	Wheat (bulk)	7,369	6,153	4,416
Volunteer	2	23.30	3	8.08	3	15.10	3	15.10	American	Amer.-Pioneer Line, SB	410.0	56.0	16.3	Honolulu, T. H.	New Orleans, La.	Canned pine'les	872	8,213	6,207
E. J. Sadler [1]	3	1.30	3	9.24	3	17.55	3	17.55	American	Standard Oil Co. of N.J.	499.2	68.1	31.6	San Pedro, Calif.	Montreal, Canada	Crude oil (bulk)	16,450	11,020	7,988
Orient	3	2.30	3	10.33	3	17.10	3	17.10	American	Oriental Nav. Co.	376.4	52.3	23.4	Portland, Oreg.	Philadelphia, Pa.	Lumber, general	5,500	5,455	3,879
Californian [18]	3	9.30	3	10.44	3	18.15	3	18.15	American	Amer.-Hawaiian Line	445.1	59.8	25.0	Seattle, Wash.	Boston, Mass.	General	8,554	8,567	6,020
Canadian Freighter	3	3.30	3	11.08	3	18.57	3	18.57	British	Can. Govt. Mer. Mar.	399.3	52.4	24.6	Vancouver, B. C.	Glasgow, Scotland	Lumber, general	6,212	6,224	4,487
Edgar F. Luckenbach	8-28	10.45	3	11.28	3	19.23	3	19.23	American	Luckenbach Line	425.0	57.7	26.6	San Pedro, Calif.	Mobile, Ala.	General, lumber	4,396	8,568	5,879
Neptunian [18]	9-3	11.00	3	12.31	3	20.00	3	20.45	Norwegian	Valdeman Skogland	400.3	55.0	26.10	Antofagasta, Chile	New Orleans, La.	Nitrate	8,800	7,257	5,458
Oropesa	3	15.30	4	6.22	4	13.55	4	17.05	British	Pacific Steam Nav. Co.	530.0	66.3	26.7	Talcahuano, Chile	Liverpool, England	General	7,231	14,825	10,627
Karin [18]	3	15.15	4	7.06	4	15.15	4	15.15	Danzig	So. Alberta Lumber Co.	348.81	48.65	24.0	Vancouver, B. C.	New York, N. Y.	Lumber	5,250	4,256	2,836
Shreveport [1]	3	16.00	4	8.07	4	16.50	4	16.50	American	Cities Service Tr. Co.	435.0	56.0	28.6	Los Angeles, Calif.	New York, N. Y.	Crude oil	10,000	7,411	5,109
Pacific Commerce [18]	4	1.30	4	9.05	4	17.05	4	17.05	British	Furness, Withy & Co.	420.0	54.0	25.0	Seattle, Wash.	Glasgow, Scotland	General	7,369	6,996	5,306
Lockkatrine [18]	4	6.25	4	9.48	4	18.20	5	00.35	British	Royal Mail S. P. Co.	484.75	62.3	28.11	Vancouver, B. C.	Rotterdam, Holl.	General	9,233	10,802	7,595
Steel Trader	4	11.00	4	11.38	4	16.37	4	18.37	American	Isthmian S. S. Lines	424.2	56.2	25.0	Port'and, Oreg.	Baltimore, Md.	Lumber	64,63	7,611	5,450
Isis [18]	4	11.15	4	12.39	4	20.10	4	23.40	German	United American Lines	392.9	51.6	21.2	Seattle, Wash.	Hull, England	General	6,071	5,788	4,097
R. W. Stewart [1]	4	13.00	4	13.42	4	21.50	4	21.50	American	Pan-Amer. Pet. & Tr. Co.	467.6	62.7	30.0	San Pedro, Calif.	New York, N. Y.	Fuel oil	13,204	9,363	6,574

[1] Tanker. [22] Lumber, canned goods, general. [23] Lumber and canned goods. [21] Zinc, concentrates, and lumber.

Hours are expressed on the 24-hour basis and all hours greater than 12 are post meridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
August 29	Cartago	United Fruit Co.	New Orleans via Habana.
August 29	Pastores	United Fruit Co.	Port Limon, Costa Rica.
August 30	Ulua	United Fruit Co.	New York via Habana.
September 1	Cartago	United Fruit Co.	Bocas del Toro, R. P.
September 1	Abangarez	United Fruit Co.	New Orleans via Habana.
September 1	Ariguani	Elders & Fyffes, Ltd.	Avonmouth via wayports.
September 1	Coronado	Elders & Fyffes, Ltd.	Avonmouth via wayports.
September 1	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
September 1	Carrillo	United Fruit Co.	New York via Kingston.

* DEPARTURES.

Date.	Vessel.	Line.	For—
August 29	Pastores	United Fruit Co.	New York via Habana.
August 29	Cartago	United Fruit Co.	Bocas del Toro, R. P.
August 30	Musician	T. and J. Harrison	Puerto Barrios.
September 1	Cartago	United Fruit Co.	New Orleans via Habana.
September 1	Ulua	United Fruit Co.	Port Limon, Costa Rica.
September 1	Coronado	Elders & Fyffes, Ltd.	Santa Marta, Colombia.
September 1	Ariguani	Elders & Fyffes, Ltd.	Port Limon, Costa Rica.
September 2	Carrillo	United Fruit Co.	Colombian ports.
September 2	Sixaola	United Fruit Co.	New York via Kingston.

* Other than ships passing through the Canal.

Continued on page 82, column 2.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending September 4, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Banan	United Fruit Co.		August 29		336
Cartago	United Fruit Co.	August 29	August 29	215	164
Pastores	United Fruit Co.	August 29	August 29	35	(2)
Almagro	Pacific Steam Navigation Co	August 29	August 29	421	(3)
Rhodopis	Kosmos Line	August 29	August 30	268	(3)
Buenaventura	Panama Railroad Steamship Line		August 30		779
Utah	French Line		August 30		39
Arkansas	French Line	August 29	August 31	69	132
Georgie	French Line	August 29	September 2	69	387
Vulcano	Italian Line	August 29	August 31	223	193
Jamaica	Pacific Steam Navigation Co		August 31		971
Mississippi	French Line	August 30	August 31	293	(3)
Oriana	Pacific Steam Navigation Co	August 30	August 31	40	271
Ulua	United Fruit Co.	August 30	September 1	406	4
Jacksonville	Grace Line	August 31	September 1	250	(3)
Santa Teresa	Grace Line	August 31	August 31	1½	2
Ashbee	Grace Line	August 31	September 1	543	64
Cartago	United Fruit Co.	September 1	September 1	7	(4)
Cristobal	Panama Railroad Steamship Line	September 1		2,651	
Abangarez	United Fruit Co.	September 1	September 2	818	153
Carrillo	United Fruit Co.	September 1	September 2	423	363
LaPlata Maru	Nippon Yusen Kaisha	September 1	September 2	90	5
Sixaola	United Fruit Co.	September 2	September 2	(5)	375
Salvador	Pacific Steam Navigation Co	September 2		781	
Virginia	Standard Fruit S. S. Co.	September 2	September 2	365	8
Venezuela	Panama Mail Steamship Co.	September 2	September 3	1,267	4
Walter Jennings	Standard Oil Co.	September 2	September 4	15,000	(3)
Virginia	Standard Fruit S. S. Co.	September 3	September 4	(1)	247
Oropesa	Pacific Steam Navigation Co	September 4	September 4	28	(3)
Lochkatrine	Pacific Steam Navigation Co.	September 4		1	
Lochgoil	Pacific Steam Navigation Co.	September 4		347	
Isis	Kosmos Line	September 4	September 4	2	(3)
Esparta	United Fruit Co.	September 4	September 4	57	24

(1) No cargo discharged. (2) 7 packages. (3) No cargo laded. (4) 294 pounds. (5) 200 pounds.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending September 4, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Venezuela	Panama Mail Steamship Co.	September 1	September 2	187	460
Ashbee	Grace Line	September 1	September 1	(1)	24
Salvador	Pacific Steam Navigation Co.	September 2	September 2	¼	(2)
Bengal Maru	Nippon Yusen Kaisha	August 31	September 1	35	(2)

(1) No cargo discharged. (2) No cargo laded.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective August 25, 1926:

Commodities.	Unit	Price.
Brass, bar, average	Lb.	$0 29
Brass, sheet, average	Lb	.43
Bronze, Tobin, average	Lb.	.26
Gasoline, motor grade	Gal	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.21
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.48
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.675
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.15
Oil, marine engine	Gal	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.15
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	14
Grease, gear, chain and wire rope, lubricating	Lb	08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	20
Waste, cotton, white	Lb.	24

Postal and Cable Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

Current Net Prices on Fuel Oil, Diesel Oil and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.05 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $8 50 per ton of 2,240 pounds at Cristobal, and $11.50 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $8.50 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $9.50 per ton at Cristobal, $12.50 at Blaboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Transit and Harbor Regulations of The Panama Canal," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may b · obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometric comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Sale of Buildings.

The Panama Canal offers for sale to the highest bidder, a number of buildings located on High Street, Gatun. Sealed bids will be received in the office of the Chief Quartermaster, The Panama Canal, Balboa Heights, C. Z., up to 10.30 a. m., September 15, 1926. Forms of proposal and full particulars may be had upon application to the offices of the Chief Quartermaster and the District Quartermaster at Cristobal and Gatun.

Trips Through the Canal.

The following lines operating passenger vessels through the Canal carry local passengers from one terminal to the other: Panama Mail Steamship Company, Pacific Steam Navigation Company, Grace Line, Chilean Line. The Panama Mail and Chilean Line charge $6 for the trip, the others $10. The several services together afford about 4 transits of the Canal each way every week.

MOVEMENTS OF OCEAN VESSELS.—Continued from page 79.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.			* DEPARTURES.		
Date	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
September 2	Sixaola	United Fruit Co	Colombian ports.	September 2	Abangarez	United Fruit Co	New Orleans and wayports.
September 2	Virginia	Standard Fruit S. S. Co	New Orleans, La.	September 2	Virginia	Standard Fruit S. S. Co	San Blas, R. P.
September 3	Virginia	Standard Fruit S. S. Co	San Blas, R. P.	September 3	Relay [25]	All-America Cables	High seas.
September 3	Relay [25]	All-America Cables	High seas.	September 4	Ariguani	Elders & Fyffes, Ltd	Kingston, Jamaica.
September 4	Ariguani	Elders & Fyffes, Ltd	Port Limon, Costa Rica.	September 4	Virginia	Standard Fruit S. S. Co	New Orleans, La.
September 4	Esparta	United Fruit Co	New York, N. Y.	September 4	Esparta	United Fruit Co	New York via Habana.

PORT OF BALBOA.

* Cable ship.							
None.				September 2	Carabobo [26]	Colombian Government	Buenaventura, Colombia.

* Other than ships passing through the Canal.

[26] Coast Guard.

THE PANAMA CANAL RECORD

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., September 15, 1926. No. 6.

Tanker Traffic Through the Panama Canal in August, 1926.

During the month of August, 121 tank ships transited the Canal, with an aggregate net tonnage, Panama Canal measurement of 714,193, on which tolls of $622,780.39 were collected. In point of net tonnage, tanker traffic for the past month showed an increase of approximately 68.7 per cent over the same traffic for the corresponding month a year ago, while cargo tonnage showed an increase of 53 per cent over the cargo tonnage of August, 1925.

Tank ships comprised 26 per cent of the total commercial transits of the Canal during the month; made up approximately 32 per cent of the total Panama Canal net tonnage; were the source of 30.3 per cent of the total tolls collected; and carried approximately 28.7 per cent of the total cargo in transit through the Canal. The number, aggregate tonnage, tolls, and cargo of tank ships transiting the Canal during the month of August, 1926, segregated by direction of transit and nationality of vessels, are shown in the following tabulations, with comparative totals for the two preceding months and for August, 1925:

Nationality.	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
British	13	75,998	$56,825.93	12,300
Danzig	1	6,338	4,563.36	.....
United States	47	284,269	204,831.30	.....
Totals, August, 1926	61	366,605	266,220.59	12,300
Totals, July, 1926	61	348,310	254,533.30	14,233
Totals, June, 1926	49	276,322	200,389.82	7,203
Totals, August, 1925	32	193,259	142,645.05	14,967
Pacific to Atlantic.				
Belgian	1	4,976	5,710.00	9,408
British	11	59,392	64,608.75	108,295
Danzig	1	5,929	6,491.25	11,351
French	1	4,427	4,852.50	7,774
United States	46	272,864	274,897.30	519,127
Totals, August, 1926	60	347,588	356,559.80	655,955
Totals, July, 1926	53	309,835	316,537.50	583,419
Totals, June, 1926	52	308,768	318,781.50	586,498
Totals, August, 1925	39	229,992	241,212.95	421,634

Of the total tanker traffic shown above, the following is a summary of the vessels giving Los Angeles as their port of origin or destination together with the totals for the two preceding months:

	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
To Los Angeles:				
August, 1926	52	311,840	$224,682.42	.....
July, 1926	52	292,407	210,882.60	.....
June, 1926	41	231,187	166,536.78	.....
From Los Angeles:				
August, 1926	47	273,665	283,296.05	512,099
July, 1926	41	241,772	246,721.25	456,457
June, 1926	44	265,698	273,946.50	500,651

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, September 11, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Kansan	4	14 30	5	6 20	5	13 15	5	14 12	American	Amer.-Hawaiian Line	404.6	53.9	19.6	Boston, Mass	Seattle, Wash.	General	3,807	6,779	4,921
Eastmoor.	4	14 59	5	6 25	5	13 51	5	15 15	British	W. Runciman & Co.	399.8	52.0	26.8	Habana, Cuba.	Shanghai, China.	Sugar	7,646	5,958	4,245
T. J. Williams [1]	4	20 45	5	7 17	5	14 11	5	15 15	American	Standard Oil Co	465.4	60.2	20.0	New York, N. Y	San Pedro, Calif	Ballast		8,585	6,087
Hanover	4	23 05	5	7 30	5	15 00	5	18 55	American	Atl.Gulf & Oriental Co.	434.3	57.7	24.2	Houston, Tex	Cebu, P. I.	(7)	7,296	7,982	5,911
Canadian Inventor	5	3 27	5	8 28	5	15 51	5	17 13	British	Can. Gov. Mer. Marine	400.1	52.4	19.0	Montreal, Canada	Sydney, Australia.	General	2,000	5,916	4,159
Bowden	3	15 35	5	9 00	5	16 45	5	16 45	Norwegian.	United Fruit Co	235.0	33.0	13.10	Mobile, Ala	Gatun, C. Z. [6]	Bananas	227	1,276	711
Archer	5	5 50	5	8 32	5	16 18	5	21 18	American	Barber S. S. Line (S.B.)	440.1	56.0	25.0	New York, N. Y	Shanghai, China.	Case oil, general.	7,697	8,315	6,100
Canadian Highlander	5	6 20	5	9 59	5	16 42	5	22 39	British	Can. Gov. Mer. Marine	400.0	52.4	12.9	Liverpool, England	Vancouver, B. C.	General	869	6,192	4,402
El Lobo [1]	5	6 35	5	10 05	5	17 11	5	18 32	British	C. T. Bowring & Co	385.2	51.0	21.5	Philadelphia, Pa.	Lobitos, Peru	Ballast		4,851	3,311
Lochgoil [2]	4	10 18	5	11 08	5	17 33	5	22 04	British	Royal Mail S. P. Co	484.2	62.3	19.11	Rotterdam, Holl.	Vancouver, B. C.	General	1,657	10,893	7,606
S. C. T. Dodd [1]	5	10 50	5	11 20	5	17 57	5	23 07	American.	Standard Oil Co	425.0	57.2	19.0	Fall River, Mass.	Los Angeles, Calif	Ballast		7,481	4,975
Birkenhead [1]	5	11 05	5	12 33	5	19 20	5	20 34	American	Vacuum Oil Co	425.0	57.2	21.0	Philadelphia, Pa.	San Francisco, Cal.	Ballast		7,502	4,982
Abron	6	6 35	6	6 59	6	13 20	6	16 29	American	Munson S. S. Line	386.8	52.2	17.0	New York, N. Y.	Portland, Oreg	General	2,971	5,732	4,131
Buenos Aires [2]	6	11 15	6	11 20	6	18 15	9	11 50	Swedish	Johnson Line	425.0	56.0	17.8	Gothenburg, Swed	Vancouver, B. C	General	3,249	7,591	5,661
Salvador.	2	16 40	6	13 10	6	19 49	7	3 44	British	Pacific Steam Nav. Co	215.0	33.0	17.7	Cristobal, C. Z	Champerico, Guat	General	1,155	1,270	735
U. S. N. Air Station [3]			6		6	8 32			American	U. S. Navy				Cristobal, C. Z	Gatun, C. Z	Ballast			
Bethore	6	3 00	7	6 08	7	14 12	7	15 15	American	Ore S. S. Corp	550.3	72.2	24.0	Norfolk, Va.	Cruz Grande, Chile	Ballast		15,476	4,354
Wakakura [1]	2	6 58	7	6 08	7	15 09	7	16 15	British	British Navy	125.3	23.5	15.1	Portland, England	Auckland, N. Z.	Ballast			
Silverelm [2]	6	15 30	7	7 35	7	15 05	7	15 50	British	Kerr S. S. Line	375.0	52.6	18.9	Brunswick, Ga	Far East	General	2,490	6,087	4,681
Clausens	7	2 20	7	8 27	7	16 33	7	17 40	American	Isthmian S. S. Lines	409.8	54.2	23.9	New York, N. Y	Seattle, Wash	Steel, general.	7,000	6,581	4,795
Port Hacking	7	1 00	7	10 40	7	17 56	7	20 00	British	Com. & Dom. Line.	439.5	55.0	26.6	New York, N. Y	Auckland, N. Z.	General	4,126	7,885	5,847
Leon XIII	5	19 18	7	13 15	7	21 00	7	22 00	Spanish.	Spanish Line	410.0	46.0	23.4	Barcelona, Spain	Valparaiso, Chile	General	184	5,521	3,729
Steel Navigator	8	3 50	8	8 50	8	15 54	8	17 05	American	U.S. Steel Products Co.	421.2	56.2	25.6	New York, N. Y	Manila, P. I		7,880	7,611	5,454
Andrea F. Luckenbach.	8	7 10	8	10 09	8	16 41	8	17 30	American	Luckenbach Line	496.0	68.2	23.9	New York, N. Y	Seattle, Wash	General	7,448	11,487	8,762
Steelore	7	7 30	8	10 58	8	18 28	8	20 00	American	Ore S. S. Corp	559.3	72.2	20.10	Norfolk, Va.	Cruz Grande, Chile	Ballast		15,551	4,297
Colombia	7	6 47	8	13 30	8	20 12	9	00 35	American	Panama Mail S. S. Co.	380.0	48.7	23.6	New York, N. Y	San Francisco, Cal	General	2,828	6,015	4,281
Oroya	8	14 27	9	6 05	9	12 53	9	13 50	British	Pacific Steam Nav. Co	511.6	62.0	25.0	Liverpool, England	Coronel, Chile	General	3,289	12,414	8,302
Santa Luisa.	8	16 24	9	6 20	9	12 53	9	17 25	American	Grace Line	360.2	51.6	23.0	New York, N. Y	Talcahuano, Chile	General	2,585	5,710	3,998
Mongolia	9	6 35	9	7 20	9	13 50	9	23 20	American	Panama-Pacific Line	600.0	65.0	27.0	New York, N. Y	San Francisco, Cal.	General	1,840	17,044	11,426
D. G. Scofield [1]	7	17 45	9	7 15	9	15 53	9	17 00	American	Standard Oil Co	439.5	58.0	20.0	Cristobal, C. Z	San Pedro, Calif.	Ballast		8,658	5,935
Arizonan	8	20 35	9	8 45	9	16 49	9	17 55	American	Amer.-Hawaiian Line	470.1	57.2	17.2	Charleston, S. C.	Los Angeles, Calif	General	1,539	9,141	6,684
Oregonian	8	21 05	9	8 45	9	17 40	9	18 35	American	Amer.-Hawaiian Line	404.6	53.0	19.0	New York, N. Y	Portland, Oreg.	General	2,900	6,754	4,780
Yorba Linda [1]	8	23 00	9	10 08	9	18 44	9	20 00	American	General Petroleum Co.	435.0	56.2	17.0	Baltimore, Md	Los Angeles, Calif	Ballast		7,424	5,077
Vistula [2] [1]	9	6 20	9	10 03	9	19 46	9	20 43	Danzig	Standard Oil Co	500.0	64.0	19.0	Bremen, Germany	Talara, Peru	Ballast		10,604	8,167
Oriole	9	10 35	9	11 10	9	20 30	9	21 34	American	Oriental Nav. Co	410.5	54.2	19.0	Philadelphia, Pa.	Portland, Oreg	General	2,800	6,755	4,875

[1] Tanker. [2] Motor ship [3] Launch. [4] Trawler. Tug. [6] And return to Mobile, Ala. [7] Cotton, wax, kerosene, and gasoline. [8] General, steel, sulphate of ammonia

San Salvador [1]	9	7.00	9	12.05	10	11.45	10	12.54	British	Anglo-Mexican Pet. Co.	406.0	52.4	26.0	New Orleans, La.	Valparaiso, Chile	(2)	7,662	6,157	4,137
Sciota [5]	8	16.25	9	9.22	9	17.40			American	U. S. Navy	149.3	30.0		Cristobal, C. Z.	Gatun, C. Z.	(10)			
Lakeland [1]			9						Colombian	Compania de Agencias	33.0	10.0		Cristobal, C. Z.	Buenaventura, Col.	Ballast		4	4
Amasis	9	17.15	10	6.15	10	13.15	10	15.58	German	Kosmos Line	438.7	55.0	17.8	Hamburg, Germany	San Francisco, Cal.	General	2,049	7,286	5,174
Poleric	9	17.50	10	6.22	10	14.12	10	15.18	British	Andrew Weir & Co	461.0	52.1	28.8	Port Arthur, Tex.	Darien, China	Oil	8,100	8,255	5,944
President Monroe	10	5.40	10	7.24	10	14.26	11	00.25	American	Dollar Line	502.1	62.2	27.0	New York, N. Y.	Far East	General	7,350	12,023	8,495
Sunbeam [1]	9	18.37	10	7.20	10	14.58	10	15.58	American	Sun Oil Co	429.3	59.2	20.0	Chester, Pa.	San Pedro, Calif.	Ballast		7,703	5,481
Witram	9	18.55	10	8.18	10	15.46	10	17.25	German	Roland Line	450.0	58.2	25.0	Bremen, Germany	Los Angeles, Calif	General	5,748	7,829	5,661
Robert E. Hopkins [1]	10	00.20	10	9.56	10	16.45	10	17.51	American	Tidewater Oil Co	424.0	58.2	17.6	New York, N. Y.	Los Angeles, Calif.	Ballast		7,333	5,182
Inverglass [1]	10	6.25	10	11.09	10	18.00	10	19.30	British	Andrew Weir & Co	422.0	55.7	19.6	Southampton, Eng.	San Pedro, Calif.	Ballast		7,138	4,922
K. R. Kingsbury [1]	10	7.58	10	12.00	10	18.50	10	20.00	American	Standard Oil Co	440.0	58.0	20.0	New York, N. Y	San Francisco, Cal.	Ballast		9,033	5,938
Ludwigshafen	8	6.20	11	6.09	11	13.25	11	14.49	German	Roland Line	393.0	54.0	22.6	Hamburg, Germany	Talcahuano, Chile	General	5,403	6,600	4,622
Harpalyce	10	12.55	11	6.15	11	14.28	11	15.10	British	Andrew Weir & Co	390.0	53.3	24.0	Tampa, Fla	Sydney, Australia	Phosphate	6,304	5,431	4,043
Dixie Arrow [1]	10	19.40	11	7.10	11	14.47	11	16.06	American	Standard Transp. Co.	468.3	62.7	21.8	Providence, R. I.	Los Angeles, Calif.	Ballast		9,744	7,140
Musician	10	22.05	11	7.28	11	15.18	11	16.40	British	T. & J. Harrison	384.9	52.0	14.3	Belize, Honduras	San Francisco, Cal.	Ballast		5,212	3,598
Montana	10	22.25	11	8.20	11	15.40	11	16.40	American	Dollar Line	420.0	56.5	19.3	New York, N. Y.	Seattle, Wash	General	3,490	8,696	6,315
Ruapehu	10	15.20	11	10.05	11	17.00	11	17.55	British	New Zealand Ship. Co	457.0	58.0	27.1	London, England	Wellington, N. Z	General	3,689	9,079	6,798
Breda	10	12.05	11	11.22	11	17.54	11	19.20	Dutch	Royal Neth. W. I. Mail	402.0	58.0	21.7	Amsterdam, Holl	Valparaiso, Chile	General	4,400	7,387	4,769
Albert Jeffress	11	11.45	11	11.55	11	18.42	11	20.25	American	Garland S. S. Line	384.6	51.2	20.0	Newport News, Va.	Aberdeen, Wash	General	4,490	6,347	4,453
Santa Tecla	10	20.05	11	12.50	11	19.18	11	22.15	American	N. O. & S. A. S. S. Line	298.6	40.0	19.6	New Orleans, La	Talcahuano, Chile	General	2,282	2,832	1,893
City of Singapore	11	13.10	11	13.20	11		11	21.25	British	Ellerman-Hall Lines	433.0	57.3	26.3	Norfolk, Va.	Yokohama, Japan	General	6,468		

[1] Tanker. [2] Benzine and kerosene. [10] Towing barge *No. 2*.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Harpagus	4	16.10	5	6.19	5	15.00	5	18.45	British	T. & J. Harrison	399.0	53.3	21.0	Vancouver, B. C.	Quebec, Canada	Lumber, general	5,800	5,421	4,007
Hannawa	5	5.00	5	7.00	5	15.50	5	16.50	American	Sudden & Christensen	440.0	56.0	26.3	Los Angeles, Calif	Baltimore, Md	Lumber, copper	8,500	8,300	6,020
George W. Barnes [1]	6	4.30	6	6.11	6	14.05	6	14.05	American	Pan-Amer. Pet. & Tr. Co	416.8	56.1	27.0	Los Angeles, Calif	Norfolk, Va	Gasoline	9,100	6,765	4,675
Hagood [1]	5	18.00	6	7.06	6	15.25	6	15.25	American	Cities Service Trans. Co	435.6	56.2	28.6	San Pedro, Calif.	New York, N. Y.	Gas oil	10,680	7,426	5,094
Jadden	5	23.00	6	8.18	6	16.25	6	16.25	American	American Pioneer Line	410.5	54.2	24.6	Iloilo, P. I.	Baltimore, Md	Sugar, hemp, tea	4,904	7,496	5,686
Sally Maersk [11]	6	2.20	6	8.33	6	16.35	6	17.00	Danish	A. P. Moller	332.1	44.2	16.0	Anacortes, Wash.	Tampico, Mexico	Box shooks	2,130	3,518	2,510
Lancaster	6	7.30	6	9.00	6	17.30	6	17.30	American	Argonaut S. S. Co	434.3	57.7	24.6	Seattle, Wash	Baltimore, Md	Lumber	6,308	7,935	5,841
Tainui	6	11.00	6	11.39	6	18.25	7	12.15	British	Shaw, Savill & Albion	477.8	61.1	25.0	Wellington, N. Z	London, England	Frozen, general	3,385	10,291	7,606
City of Panama [11]	6	10.45	6	12.18	6	19.55	13	13.10	Panaman	Panama Mail S. S. Co.	296.09	46.93	16.1	San Francisco, Cal.	Cristobal, C. Z.	(12)	615	3,848	2,606
Suwarinco	6	11.15	6	12.26	6	20.00	6	20.00	American	Transmarine Lines	324.0	46.2	24.0	Aberdeen, Wash.	Newark, N. J.	Lumber	3,094	3,984	2,628
Eilsha Walker [1]	6	12.30	6	13.22	6	21.00	6	23.05	American	Pan-Amer. Pet. & Tr. Co.	429.3	59.2	26.0	San Pedro, Calif.	New York, N. Y	Gas oil	11,000	7,898	5,971
S. M. Spalding [1]	6	13.20	6	13.57	6	22.30	6	22.30	American	Pan-Amer. Pet. & Tr. Co.	435.0	56.02	28.0	San Pedro, Calif.	New York, N. Y	Fuel oil	9,672	7,331	5,111
Amerikaland [11]	6	23.00	7	5.55	7	14.55	7	14.55	Swedish	Ore S. S. Corp	561.0	72.0	33.6	Cruz Grande, Chile	Baltimore, Md	Iron ore	21,400	15,560	4,496
Point Sur	4	19.10	7	7.15	7	15.05	7	15.05	American	Swayne & Hoyt, Inc.	325.0	46.0	22.3	Portland, Oreg	New Orleans, La	General, lumber	3,250	3,984	2,612
Kinderdijk	6	19.20	7	8.10	7	16.00	7	16.55	Dutch	Holland-American Line	469.7	58.3	25.0	Vancouver, B. C.	Antwerp, Belgium	General	8,799	8,515	6,060
D. G. Scofield [1]	7	2.45	7	9.06	7	17.45	9	7.15	American	Standard Oil Co. of Calif.	439.5	58.0	30.3	San Pedro, Calif.	Cristobal, C. Z.	Fuel oil	11,434	8,698	5,935
Circinus	7	6.45	7	10.15	7	18.20	7	18.20	American	Planet Line, Inc.	410.0	54.2	23.6	Vancouver, B. C.	New London, Conn.	Lumber	7,075	6,585	4,791

[1] Tanker. [11] Motor ship. [12] Coffee, wood, and general.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Walter A. Luckenbach.	7	11 20	7	12 02	7	19 20	7	19 20	American	Luckenbach Line	447 0	56 1	31 0	Portland, Oreg	Boston, Mass	Lumber, general.	8,097	8,785	6,567
W. M. Burton [1]	7	12 30	7	12 58	7	21 10	7	21 10	American	Atlantic Refining Co	435 0	56 0	29 0	Los Angeles, Calif.	Philadelphia, Pa.	Fuel oil	10,600	7,388	5,424
F. H. Wickett [1]	7	12 45	7	13 44	7	22 00	7	22 05	American	Pan-Amer. Pet. & Tr. Co.	467.6	62 7	27 0	Port San Luis, Cal.	New York, N. Y	Fuel oil	12,500	9,666	7,044
Hertford	7	14 45	8	6 25	8	13.52	8	13 52	British	Fed. Steam Nav. Co	520.0	64.2	27 0	Eluff, N. Z	London, England	Frozen, general.	7,588	12,933	9,314
Solana [1]	8	2 19	8	7 24	8	15 35	8	16 15	American	Associated Oil Co	435.8	56.6	28 5	San Francisco, Cal.	Philadelphia, Pa.	Gas oil	9,571	7,060	5,025
Sciota [1]			8	10 28	8	16 30	9	9 22	American	U. S. Navy	155.0	30.0		Balboa, C. Z.	Cristobal, C. Z.				
Elder Branch.	8	11 30	8	12 10	8	19 10	8	20 50	British	F. & W. Ritson.	380 3	49.7	22 2	Corral, Chile	Liverpool, England	General	5,620	4,951	3,592
Adna [1]	8	11 55	8	12 39	8	21 10	12	7 05	British	Anglo-Saxon Pet. Co.	409 0	52 3	26.0	San Pedro, Calif.	Colon, R. P.	Fuel oil	6,813	6,102	4,365
Dean Emery [1]	8	15 00	9	6 23	9	14 35	9	14 35	American	Pan-Amer. Pet. & Tr. Co.	429.3	59 2	28 5	San Pedro, Calif.	Boston, Mass	Fuel oil	10,946	7,769	5,517
Almedo	8	23 00	9	7 32	9	16 10	9	21 11	Dutch.	Royal Neth. W. I. Mail	440.0	62.6	26 3	Corral, Chile	Hamburg, Germany	General	10,053	9,403	6,653
American	9	5 50	9	7.59	9	16 08	9	16 08	American	Amer.-Hawaiian Line	420 6	53.9	26 2	Portland, Oreg	Boston, Mass	General	6,800	6,789	4,746
Ranapo [1]	8	15 50	9	9 34	9	17 25	9	17 25	American	U. S. Navy	461 6	60 0	28 0	San Pedro, Calif.	Guantanamo, Cuba	([11])	11,337		
Munsomo.	9	11 00	9	12 44	9	20 00	9	21 55	American	Munson-McCor'k Line	327 2	46 2	20 0	Portland, Oreg	Houston, Tex	Lumber, shingles	3,820	3,750	2,728
Canadian Prospector	9	12 05	9	12 51	9	21 15	9	21 55	British	Can. Gov. Mer. Marine	400.0	52 4	23 5	Vancouver, B. C.	Montreal, Canada	Lumber, general.	5,972	5,893	4,068
Canadian Spinner.	9	12 00	9	13 15	9	22.25	9	22 25	British	Can. Gov. Mer. Marine	400.0	52 4	18.0	Sydney, Australia	Montreal, Canada	General	600	5,871	4,094
Teno	9	13 30	9	15 33	9	23 55	10	5 30	Chilean.	Chilean Line	422 8	56 2	27.0	Valparaiso, Chile	New York, N. Y.	General	5,338	7,758	4,672
Bohemian Club [1]	9	12 00	10	6 05	10	14 00	10	14 00	American	Atlantic Refining Co	425 0	57.2	26.6	San Pedro, Calif.	Philadelphia, Pa.	Gasoline	9,267	7,204	4,769
Laguna [1] [8]	9	8 50	10	7 16	10	15 30	10	20 45	British	Pacific Steam Nav. Co	420.5	54 2	28 0	Talcahuano, Chile	Hull, England	General	8,239	7,139	4,640
Murla.	10	5.20	10	8 00	10	15 55	11	2 30	German	Roland Line	465 0	58.0	26 0	Corral, Chile	Hamburg, Germany	General	8,050	7,727	5,349
Niels R. Finsen.	9	13 30	10	8 30	10	16 40	11	5 50	Danish.	Columbus Line	266 9	39.9	17 7	Yavarros, Mexico	New York, N. Y	Peas	2,573	2,390	1,770
Odenwald [1] [8]	9	18 00	10	9 29	10	16 55	10	18 07	German	Hamburg-Amer. Line	399.55	54.32	26 5	Valparaiso, Chile	Hamburg, Germany	General	7,860	6,808	4,979
Cerro Ebano [1]	10	00 25	10	10 25	10	18 05	10	18 05	American.	Pan-Amer. Pet. & Tr. Co.	480 5	66.0	27 4	San Pedro, Calif.	New York, N. Y.	Fuel oil	12,770	9,389	6,453
Samuel Q. Brown [1]	10	5 05	10	11 22	10	19 25	10	19 25	American	Tidewater Oil Co	424.4	58 2	27 3	Los Angeles, Calif.	New York, N. Y.	Crude oil	10,626	7,333	5,183
Thomas P. Beal	10	13 50	10	14 34	10	22 00	10	22 00	American	Norton, Lilly & Co	394 0	55 0	26 6	Portland, Oreg	Baltimore, Md	([10])	6,704	7,047	5,100
W. S. Rheem [1]	10	14 40	11	6 12	11	17 05	11	17 05	American.	Standard Oil Co. of Calif.	500.0	68.0	28 2	San Pedro, Calif.	New York, N. Y.	Gasoline	14,000	11,224	7,895
Chaumont [1] [8]	9	18 10	11	7 15	11	16 10	11	16 10	American	U. S. Navy	448.0	58 2	23 0	San Francisco, Cal.	Hampton R'ds, Va.	General	740		
Sigdal	10	15 20	11	8.25	11	17 35			Norwegian.	Columbus Transp. Co.	210.0	33.0	12.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee, hides.	864	1,063	685
Sabine Sun [1]	11	2 00	11	8 55	11	18 03	11	20 43	American	Sun Oil Co	429.0	59.0	28 0	Los Angeles, Calif.	Philadelphia, Pa.	Fuel oil	10,800	7,621	5,277
Charles Christensen	11	5 25	11	10.11	11	18 57	11	21 20	American	Arrow Line	409 7	54.2	24 4	Seattle, Wash	Baltimore, Md	([12])	6,000	6,693	4,915
Manuel Calvo.	11	7 00	11	11 01	11	19 26	12	18 05	Spanish.	Spanish Line	435 0	48.0	23 8	Valparaiso, Chile	Barcelona, Spain	General	2,039	5,996	3,897

[1] Tanker. [8] U. S. Navy tug. [10] Fuel oil and gasoline. [11] U. S. Navy transport. [12] Lumber, copper, and general. [13] Lumber and canned goods. [18] Motor ship.

Hours are expressed on the 24-hour basis and all hours greater than 12 are post meridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
September 5	Parismina	United Fruit Co	New Orleans via Habana.	September 5	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
September 5	Ulua	United Fruit Co	Port Limon, Costa Rica.	September 5	Ulua	United Fruit Co	New York via Habana.
September 5	Antillian	Leyland Line	Liverpool via wayports.	September 5	Parismina	United Fruit Co	Bocas del Toro, R. P.
September 6	Toloa	United Fruit Co	New York via Habana.	September 8	Antillian	Leyland Line	New Orleans and Limon.
September 7	Rugia	Hamburg-American Line	Puerto Barrios.	September 8	Parismina	United Fruit Co	New Orleans via Habana.
September 7	Camden	United Fruit Co	Baytown, Tex.	September 8	Rugia	Hamburg-American Line	Hamburg via wayports.
September 7	Atenas	United Fruit Co	New Orleans, La.	September 8	Toloa	United Fruit Co	Port Limon, Costa Rica.
September 8	Parismina	United Fruit Co	Bocas del Toro, R. P.	September 9	Santa Marta	United Fruit Co	Colombian ports.
September 8	Santa Marta	United Fruit Co	New York via Kingston.	September 9	Carrillo	United Fruit Co	New York via Kingston.
September 8	Pellerin de LaTouche	French Line	Havre via wayports.	September 9	Crynssen	Royal Neth. W. I. Mail	Port Limon, Costa Rica.
September 9	Crynssen	Royal Neth. W. I. Mail	Amsterdam via wayports.	September 9	Atenas	United Fruit Co	New Orleans via wayports
September 9	Carrillo	United Fruit Co	Colombian ports.	September 9	Camden	United Fruit Co	Baytown, Tex.
September 9	Favorita	Standard Fruit S. S. Co	New Orleans, La.	September 9	Favorita	Standard Fruit S. S. Co	San Blas, R. P.
September 10	Chateau Thierry [19]	U. S. Army	New York via San Juan.	September 10	Pellerin de LaTouche	French Line	Havre via wayports.
September 11	Favorita	Standard Fruit S. S. Co	San Blas, R. P.	September 11	Favorita	Standard Fruit S. S. Co	New Orleans, La.
September 11	Crynssen	Royal Neth. W. I. Mail	Port Limon, Costa Rica.	September 11	Crynssen	Royal Neth. W. I. Mail	Amsterdam via wayports.
September 11	San Mateo	United Fruit Co	New York via wayports.				

[19] Transport.

PORT OF BALBOA.

September 5	Bokuyo Maru	Nippon Yusen Kaisha	Valparaiso, Chile.	September 6	Bokuyo Maru	Nippon Yusen Kaisha	Hongkong, China.
September 7	Rakuyo Maru	Nippon Yusen Kaisha	Hongkong, China.	September 8	Rakuyo Maru	Nippon Yusen Kaisha	Valparaiso, Chile.
September 10	Patria [20]	J. M. Sosa	Panama Bay.	September 11	Patria [20]	J. M. Sosa	Panama Bay.

[20] Motor launch.

* Other than ships passing through the Canal.

Dredge "Culebra."

MOTORSHIP for September, 1926, comments on the work of the sea-going suction dredge *Culebra* on the bar outside of San Francisco, stating that the *Culebra* has been working on this bar for the last two years and during the past year has been forced back into the harbor but twice. This is said to be a remarkable performance, taking into consideration the heavy seas and rough weather often encountered.

The *Culebra* is one of the two seagoing suction dredges purchased by the Isthmian Canal Commission in 1907 for use in dredging out the approaches to the Canal. She was used in this service until 1914, later converted into a cattle boat to bring cattle to the Canal Zone from nearby countries, and, in 1921, reconverted to a dredge. In November, 1923, she was sold to the United States Engineer Corps and transferred to San Francisco.

Another sea-going suction dredge has been secured for work on the Pacific coast. This dredge, the *A. Mackenzie*, passed through the Canal on March 17, 1926, en route from Philadelphia to San Diego, California. After some work there and at Grays Harbor, Washington, she will be stationed at San Francisco. The *A. Mackenzie* is Diesel-electric driven, 20 feet shorter than the *Culebra*, and a little smaller in breadth, depth, and hopper capacity.

Commercial Traffic Through the Panama Canal in August, 1926, by Trade Routes.

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross	Registered net.	Tolls.	Tons of cargo
United States intercoastal:							
United States	89	375,651	472,559	600,321	375,099	$388,861.85	179,882
East coast of United States to Far East:							
British	5	17,721	25,353	28,614	17,782	22,151.25	26,294
Japanese	5	20,601	25,541	31,992	20,279	25,751.25	32,565
Norwegian	2	4,899	8,476	8,597	4,898	6,123 75	14,466
United States	8	32,170	45,671	51,789	31,918	40,212.50	63,196
Totals	20	75,391	105,041	120,992	74,877	94,238.75	136,521
Europe to west coast of South America:							
British	5	22,543	27,179	36,427	22,064	28,178.75	11,397
Dutch	1	4,265	6,644	6,944	4,240	5,331.25	4,257
French	3	9,692	11,982	15,524	9,559	121,15.00	3,526
German	6	16,232	22,697	26,753	16,239	20,290.00	23,875
Italian	2	6,918	8,244	11,559	6,933	8,647.50	2,192
Norwegian	1	608	732	1,180	600	760.00	1,019
Spanish	1	3,284	3,897	5,617	3,342	4,105.00	121
Totals	19	63,542	81,375	104,004	62,977	79,427.50	46,387
East coast of United States to west coast of South America:							
British	3	9,582	11,702	15,803	9,666	11,977.50	11,239
Chilean	1	3,479	4,672	7,310	3,976	4,348.75	1,538
Swedish	2	7,486	8,917	30,676	8,762	6,420.24	
United States	11	41,485	49,768	69,504	41,491	40,142.62	17,810
Totals	17	62,032	75,059	123,293	63,895	62,889.11	30,587
Europe to west coast of United States:							
British	6	24,785	28,647	40,950	24,973	22,559.66	3,070
Danish	1	2,690	4,467	4,473	2,738	3,216.24	
Danzig	1	5,236	6,338	8,956	5,041	4,563.36	
Dutch	1	5,184	5,860	8,365	5,168	6,480.00	3,276
Norwegian	1	2,923	4,561	4,904	2,939	3,283.92	
Swedish	3	9,597	13,569	16,238	12,218	11,271.73	12,059
United States	2	10,225	14,568	16,483	10,127	10,894.86	7,145
Totals	15	60,640	78,010	100,369	63,204	62,269.77	25,550

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons. of cargo
Europe to west coast of Canada:							
British	6	20,584	26,499	34,753	21,227	$25,730.00	19,339
Dutch	2	9,950	13,668	15,694	9,932	12,437.50	4,663
French	2	7,622	10,516	12,781	7,820	9,527.50	7,471
Italian	1	4,609	5,214	7,434	4,662	5,761.25	4,238
Totals	11	42,765	55,897	70,662	43,641	53,456.25	35,711
East coast of United States to Australasia:							
British	6	26,620	37,677	42,423	26,701	33,275.00	35,941
Norwegian	2	5,729	9,110	9,379	5,608	7,161.25	14,566
United States	2	7,630	9,453	12,164	7,587	9,537.50	8,400
Totals	10	39,979	56,240	63,966	39,896	49,973.75	58,907
Europe to Australasia:							
British	9	55,010	71,390	88,084	55,183	68,762.50	59,104
Cristobal to west coast of South America:							
British	1	614	622	1,138	602	746.40	969
Colombian	1	81	92	153	68	101.25	145
Norwegian	2	1,084	1,291	1,852	1,069	1,185.07	903
Panamanian	2	226	248	414	218	230.53	314
Peruvian	1	1,506	2,951	4,744	2,673	1,882.50	583
Swedish	1	423	483	860	534	528.75	1,152
Totals	8	3,934	5,687	9,161	5,164	4,674.50	4,066
East coast of United States to Gatun Lake:							
Norwegian	4	2,987	3,070	5,273	3,089	3,684.00	
East coast of Canada to Australasia:							
British	4	13,977	17,561	23,066	14,073	17,471.25	14,523
East coast of Canada to west coast of United States:							
British	2	13,228	15,336	22,618	13,690	11,041.92	
United States	1	6,014	7,988	9,639	6,014	5,751.36	
Totals	3	19,242	23,324	32,257	19,704	16,793.28	
East coast of United States to west coast of Canada:							
United States	3	10,707	15,380	17,095	10,589	13,383.75	23,837
East coast of Canada to west coast of South America:							
British	3	14,563	16,972	24,652	15,518	12,219.84	
West Indies to Far East:							
British	3	11,613	15,230	18,861	11,579	14,516.25	22,680
East coast of South America to west coast United States:							
Norwegian	1	2,432	4,354	4,003	2,483	3,049.00	5,470
United States	2	4,697	6,222	7,737	4,856	5,871.25	8,100
Totals	3	7,129	10,576	11,740	7,339	8,911.25	13,570
Foreign vessels in ballast—U. S. coastwise:							
Belgian	1	3,217	4,064	5,196	3,175	2,926.08	
British	1	9,342	10,751	15,371	9,326	7,740.72	
Totals	2	12,559	14,815	20,567	12,501	10,666.80	
West Indies to west coast United States:							
British	1	3,469	4,132	5,563	3,476	2,975.04	
Swedish	1	1,307	1,513	1,600	1,054	1,633.75	2,400
Totals	2	4,776	5,645	7,163	4,530	4,608.79	2,400
Cristobal to west coast of Central America:							
British	2	1,286	1,441	2,298	1,304	1,607.50	2,316
Cristobal to Balboa:							
Panaman	2	80	80	72	52	83.40	49
Around the world:							
United States	1	6,233	8,509	10,559	6,200	7,791.25	4,020
West Indies to west coast South America:							
British	1	102	152	524	197	109.44	

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
East coast of Mexico to west coast of Canada:							
British	1	5,317	6,304	9,000	5,368	$6,646.25	12,300
East coast of Canada to west coast Canada:							
British	1	3,245	4,108	5,399	3,333	4,056.25	2,500
West Indies to Australasia:							
British	1	2,853	4,637	4,563	2,857	3,566.25	7,150
Cristobal to west coast of United States:							
United States	1	1,167	1,549	1,974	1,161	1,458.75	1,750
East coast of United States to Hawaii:							
United States	1	1,614	1,646	1,748	1,624	1,975.20	2,500
East coast of United States to Balboa:							
Peruvian	1	1,475	1,696	2,446	1,548	1,843.75	306
Europe to west coast of Central America:							
German	1	2,571	3,400	4,176	2,593	3,213.75	2,931
Paraiso to Miraflores:							
United States	1	48	56	48	48	40.32	...
Totals, August, 1926	239	902,488	1,157,409	1,484,333	909,143	999,201.30	689,547
Totals, August, 1925	196	735,241	948,690	1,196,408	737,663	836,562.38	611,063
Totals, August, 1924	191	775,089	984,417	1,243,174	775,376	854,656.39	531,703

PACIFIC TO ATLANTIC.

United States intercoastal:							
United States	84	369,438	465,287	591,031	368,366	$461,534.80	746,109
West coast of South America to east coast United States:							
British	8	20,256	26,725	34,123	20,683	24,793.00	32,182
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	2,447
Norwegian	1	4,107	4,733	6,583	4,121	5,133.75	10,230
Panaman	1	4,014	4,897	6,386	4,067	5,017.50	7,150
Peruvian	1	2,073	2,621	3,287	1,993	2,591.25	3,058
Swedish	1	3,743	4,421	15,339	4,377	4,678.75	20,000
United States	16	66,275	81,676	110,913	66,272	82,638.20	175,966
Totals	29	103,980	129,778	183,941	105,489	129,242.45	251,033
West coast of United States to Europe:							
Belgian	1	4,568	4,976	7,138	4,154	5,710.00	9,408
British	13	58,672	68,703	95,528	59,016	73,340.00	121,169
Danish	1	4,223	5,338	6,650	4,247	5,278.75	8,900
Danzig	1	5,193	5,929	8,745	5,026	6,491.25	11,351
French	1	3,882	4,427	6,474	3,716	4,852.50	7,774
Norwegian	1	4,509	5,637	7,116	4,493	5,636.25	8,737
Swedish	1	3,455	5,384	4,750	4,226	4,318.75	7,978
United States	3	12,062	16,789	19,759	11,865	15,077.50	23,111
Totals	22	96,564	117,183	156,160	96,743	120,705.00	198,428
West coast of South America to Europe:							
British	5	19,895	25,254	32,511	20,145	23,389.14	24,731
Dutch	1	4,055	4,798	6,908	3,924	5,068.75	7,715
French	2	7,564	9,150	12,531	7,910	9,455.00	11,115
German	7	27,123	34,747	43,531	27,196	33,903.75	50,107
Italian	3	8,787	11,258	15,129	9,040	10,983.75	15,549
Spanish	1	3,085	3,593	5,205	3,226	3,856.25	1,198
Totals	19	70,509	88,800	115,815	71,441	86,656.64	110,415
West coast of Canada to Europe:							
British	6	24,292	32,222	39,560	24,581	30,365.00	45,868
Danish	1	5,188	5,663	6,913	5,218	6,485.00	9,561
Dutch	1	5,763	7,619	9,338	5,808	7,203.75	8,020
French	1	4,282	5,563	6,863	4,287	5,352.50	8,805
German	2	7,529	10,755	12,562	7,504	9,411.25	16,212
Italian	1	4,045	4,040	5,400	3,319	4,848.00	7,651
Swedish	1	2,781	4,860	4,960	3,665	3,476.25	5,943
Totals	13	53,880	70,722	85,596	54,382	67,141.75	102,060

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
West coast of Canada to east coast of United States:							
Belgian	1	3,182	3,986	5,020	3,580	$3,977.50	7,500
British	2	6,672	8,168	10,796	6,656	8,340.00	10,713
Norwegian	1	2,537	4,245	4,362	2,516	3,171.25	6,250
United States	4	12,457	16,438	19,846	12,358	15,571.25	24,128
Totals	8	24,848	32,837	40,024	25,110	31,060.00	48,591
West coast of South America to Cristobal:							
British	1	614	622	1,138	602	460.50	.....
Colombian	2	254	264	386	234	307.65	375
Norwegian	1	599	685	997	587	748.75	1,200
Panaman	2	226	248	414	218	282.50	426
Swedish	1	423	483	860	534	528.75	1,080
United States	1	633	675	1,198	742	486.00	.....
Totals	8	2,749	2,977	4,993	2,917	2,814.15	3,081
Australasia to Europe:							
British	5	28,049	39,271	44,864	28,230	35,061.25	21,360
Far East to east coast of United States:							
Japanese	4	15,811	20,370	25,145	15,395	19,763.75	25,553
United States	1	4,495	5,882	5,816	3,567	4,235.04	.....
Totals	5	20,306	26,252	30,961	18,962	23,998.79	25,553
West coast of Central America to Cristobal:							
British	2	1,286	1,441	2,298	1,304	1,607.50	844
Norwegian	1	485	606	855	482	606.25	1,028
Panaman	1	52	52	79	52	62.40	5
Totals	4	1,823	2,099	3,232	1,838	2,276.15	1,877
West coast of South America to Egypt:							
British	1	3,616	4,212	5,886	3,615	4,520.00	8,700
Italian	2	5,873	6,913	9,931	6,321	7,341.25	13,810
Jugo-Slav	1	3,284	4,188	5,150	3,281	4,105.00	7,796
Totals	4	12,773	15,313	20,967	13,217	15,966.25	30,306
Australasia to east coast Canada:							
British	4	13,047	16,763	21,591	13,152	16,308.75	5,711
West coast of South America to east coast of Canada:							
British	1	3,926	4,649	7,115	3,943	4,907.50	10,150
Danish	1	3,585	4,418	5,702	3,583	4,481.25	7,900
Norwegian	1	2,710	4,220	4,340	2,724	3,387.50	8,000
Totals	3	10,221	13,287	17,157	10,250	12,776.25	26,050
West coast of Central America to east coast United States:							
Danish	2	3,108	4,287	5,219	3,101	3,451.69	1,400
Norwegian	1	959	1,222	1,585	972	1,211.25	1,775
Totals	3	4,077	5,509	6,804	4,073	4,662.94	3,175
West coast of Central America to east coast of Central America:							
German	1	1,870	3,054	3,214	1,886	2,198.88	.....
Honduranian	1	341	425	623	348	306.00	.....
Totals	2	2,211	3,479	3,837	2,234	2,504.88	.....
Philippines to east coast of United States:							
Norwegian	1	2,507	4,284	4,333	2,494	3,133.75	4,968
United States	1	3,785	4,798	6,061	3,758	4,731.25	4,053
Totals	2	6,292	9,082	10,394	6,252	7,865.00	9,021
West coast United States to east coast of Canada:							
United States	2	10,347	13,342	16,724	10,379	12,933.75	26,663

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels	Tonnage. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Far East to Europe:							
Japanese	1	4,486	4,509	5,901	4,325	$5,410.80	6,272
Australasia to east coast United States:							
United States	1	4,335	4,321	5,716	4,271	5,185.20	50
Canadian intercoastal:							
British	1	3,277	4,249	5,258	3,278	4,096.25	6,255
Hawaii to Europe:							
Norwegian	1	2,929	3,706	4,821	2,969	3,661.25	5,700
West coast of Central America to Europe:							
Danish	1	1,176	1,829	2,088	1,205	1,470.00	2,980
West coast of United States to Cristobal:							
United States	1	1,167	1,549	1,974	1,161	1,458.75	769
West coast of South America to West Indies:							
Danish	1	1,110	1,423	1,892	1,115	1,024.56	.....
Panama Bay to Gatun:							
Panaman	1	20	29	46	20	25.00	5
Gatun Lake to east coast United States:							
Norwegian	[1] 4	[1] 2,987	[1] 3,070	[1] 5,273	[1] 3,089	[1] 3,684.00	686
Totals, August, 1926	225	849,614	1,073,496	1,381,787	851,379	1,055,840.61	1,632,150
Totals, August, 1925	197	737,680	933,248	1,205,578	747,357	918,050.71	1,354,551
Totals, August, 1924	181	733,567	917,478	1,181,296	733,488	915,343.55	1,426,776

[1] These four vessels entered the Canal at Cristobal and proceeded as far as Gatun Lake where, after taking on cargoes of bananas, they returned to the Atlantic entrance of the Canal. As vessels transiting the Canal as far as Gatun Lake only are entitled to return to Canal port of entry without payment of tolls for return voyage the only items taken up in connection with these transits in the Pacific-to-Atlantic traffic statistics is the amount of cargo tonnage.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending September 11, 1926.

Name of Vessel.	Line or Charterer.	Arrived.	Departed.	Cargo— Discharged	Laded.
				Tons.	*Tons.*
Cristobal	Panama Railroad Steamship Line	.....	September 5	.....	783
Lochkatrine	Pacific Steam Navigation Co	.....	September 5	.....	206
Lochgoil	Pacific Steam Navigation Co	.....	September 5	.....	168
Bowden	United Fruit Co	.....	September 5	.....	360
Parismina	United Fruit Co	September 5	September 5	449	104
Ulua	United Fruit Co	September 5	September 5	11	(1)
Leon XIII	Spanish Line	September 5	September 5	199	45
Salvador	Pacific Steam Navigation Co	.....	September 6	.....	1,157
Antillian	Leyland Line	September 5	September 8	712	105
Toloa	United Fruit Co	September 6	September 8	433	86
City of Panama	Panama Mail Steamship Co	September 6	.....	594	.....
Colombia	Panama Mail Steamship Co	September 7	September 8	762	700½
Rugia	Hamburg-American Line	September 7	September 8	6	300
Camden	United Fruit Co	September 7	September 9	8,995	(1)
D. J. Scofield	Standard Oil Co	September 7	September 9	11,434	(1)
Atenas	United Fruit Co	September 7	September 9	500	28
Parismina	United Fruit Co	September 8	September 8	73	108
Orcoma	Pacific Steam Navigation Co	September 8	September 9	65	128
Santa Marta	United Fruit Co	September 8	September 9	481	346
P. de LaTouche	French Line	September 8	September 10	385	469
Ludwigshafen	Roland Line	September 8	September 11	(2)	12
Santa Luisa	Grace Line	September 8	September 8	(2)	4
Carrillo	United Fruit Co	September 9	September 9	1	112½
Cryussen	Royal Dutch W. I. Mail	September 9	September 9	13	(1)
Almelo	Royal Dutch W. I. Mail	September 9	September 9	70	(1)
Favorita	Standard Fruit S. S. Co	September 9	September 9	119	23
Amasis	Kosmos Line	September 9	September 10	157	(1)
Laguna	Pacific Steam Navigation Co	September 10	September 10	(2)	66
Murla	Roland Line	September 10	September 11	50	(1)
Breda	Royal Dutch W. I. Mail	September 10	September 11	501	113
Santa Teela	N. O. & S. A. S. S. Line	September 10	September 11	238	51
San Mateo	United Fruit Co	September 11	.....	90	.....
Manuel Calvo	Spanish Line	September 11	.....	143	.....
Sigdal	Colombian Transport Co	September 11	.....	864	.....
Cryussen	Royal Dutch W. I. Mail	September 11	September 11	(2)	357½
Favorita	Standard Fruit S. S. Co	September 11	September 11	20	131

[1] No cargo laded. [2] No cargo discharged.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective August 25, 1926:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.29
Brass, sheet, average	Lb.	.43
Bronze, Tobin, average	Lb.	.26
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.21
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.48
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.675
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.15
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.15
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.14
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.20
Waste, cotton, white	Lb.	.24

Shipment of Colombian Oil to Vancouver.

The steamship *Trontolite*, owned and operated by the Imperial Oil Co., Ltd., and flying the British flag, transited the Canal on September 11, 1926, en route from Cartagena, Colombia, to Vancouver, B. C., with a cargo of 10,000 tons of crude oil.

Regular shipments of crude oil from Colombia to the east coast of the United States have been made during the past two months, but this is the first consignment of Colombian oil to transit the Canal.

The oil was loaded at Cartagena, having reached that port from the fields through a pipeline which was completed some months ago.

Notice to Mariners—Aid to Navigation.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., *September 14, 1926.*

Fairway gas and whistling buoy, referred to in Notice to Mariners No. 115 as having had its characteristics changed, has been restored on September 13 to its original characteristics and now shows as follows:

Group flashing:
Light 0.5 second, dark 4.5 seconds.
Light 0.5 second, dark 4.5 seconds.
Light 5.0 seconds, dark 5.0 seconds.

Position:
Latitude 9° 32′ 09″ North.
Longitude 79° 55′ 02½″ West.

H. BURGESS,
Acting Governor.

Sale of Obsolete Equipment.

The Panama Canal offers for sale to the highest bidders a number of items of obsolete equipment, including a steam towboat or launch and a ladder dredge. Sealed bids will be received in the offices of the General Purchasing Officer, the Panama Canal, Washington, D. C., and the Chief Quartermaster, The Panama Canal, Balboa Heights, Canal Zone, up to 10.30 a. m., September 18, 1926, and then opened. Forms of proposal with full particulars, Circular 1751, may be had upon application to the above-mentioned offices.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Transit and Harbor Regulations of The Panama Canal," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending September 11, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
Bokuyo Maru	Nippon Yusen Kaisha	September 5	September 6	½	24
Buenos Aires	Johnson Line	September 6	September 9	115	(2)
Salvador	Pacific Steam Navigation Co.	September 6	September 6	(1)	50
Rakuyo Maru	Nippon Yusen Kaisha	September 7	September 8	695	192
Colombia	Panama Mail S. S. Co.	September 8	September 8	20	3
Ramapo	U. S. Government	September 7	September 9	(1)	12
Santa Luisa	Grace Line	September 9	September 9	½	(2)
Patria	J. M. Sosa	September 11	September 12	(1)	44

[1] No cargo discharged. [2] No cargo laded.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution, away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., September 22, 1926. No. 7.

Traffic During the First Fifteen Days of September.

During the first 15 days of September, 223 commercial vessels and 4 small launches transited the Canal. Tolls on the commercial vessels aggregated $1,017,603.85, and on the launches $25.50, or a total tolls collection of $1,017,629.35.

The daily average number of transits of commercial vessels for the month was 14.86, and the daily average tolls collection $67,840.25. The average amount of tolls paid by each of the commercial transits was $4,563.25.

Daily average tolls collection was slightly higher for the 15 days of the present month, with $67,840.25, as compared with $66,626.07 for the first 15 days of August.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 8½ months of the present calendar year, together with the daily averages of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
January	479	$2,103,368.29	15.45	$67,850.59
February	424	1,835,226.47	15.14	65,543.80
March	506	2,206,212.20	16.32	71,168.13
April	425	1,917,457.11	14.16	63,911.90
May	470	2,056,965.55	15.16	66,353.72
June	419	1,852,670.66	13.96	61,755.68
July	456	1,980,719.67	14.71	63,894.18
August	464	2,055,041.91	14.96	66,291.67
September (first 15 days)	223	1,017,603.85	14.86	67,840.25
Totals	3,866	17,025,265.71	14.98	65,989.01

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending September 18, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
City of Panama	Panama Mail S. S. Co.	September 13.	September 13.	(1)	42
Cambrai	U. S. Government	September 14.	September 15.	18	22
Acajutla	Pacific Steam Navigation Co.	September 14.	September 14.	5	(2)
Coalinga	Union Oil Co.	September 16.	September 17.	11,104	6
Annam	East Asiatic Co.	September 16.	September 16.	220	(2)
Essequibo	Pacific Steam Navigation Co.	September 17.	September 17.	20	(2)
Chiman	National Navigation Co.	September 18.	September 18.	5	(2)
Cliona	Anglo-Saxon Petroleum Co.	September 18.	(3)	7,857	(2)

[1] No cargo discharged. [2] No cargo laded. [3] Left in port.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, September 18, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Trontolite [1] [2]	10	21 45	12	6 20	12	14 07	12	16 05	British	Imperial Oil Co	420 8	57 0	28 4	Cartagena, Col	Vancouver, B. C.	Crude oil	10,000	7,226	4,649
Trojanstar	11	1 18	12	6 24	12	14 28	12	15 40	British	Blue Star Line	469 0	60.0	20.6	Newcastle, Eng.	Vancouver, B. C.	Ballast		10,405	7,401
Adna [1]	8	21 10	12	7.05	12	15 09	12	16 05	British	Anglo-Saxon Pet. Co.	400 5	52.3	15 1	Cristobal, C. Z	San Pedro, Calif.	Ballast		6,102	4,365
Rhea	5	7 40	12	7.09	12	16 07			Dutch.	Royal Neth. W. I. Mail	264 5	39 2	12 3	Pto. Barrios, Guat.	Balboa, C. Z	Ballast			
City of Birmingham.	11	16 15	12	7 40	12	15 31	12	17 20	British	Ellerman City Line	391.0	54 0	23.3	New York, N. Y	Sydney, Australia.	General	4,092	6,706	5,017
Pomona	11	21 35	12	8 30	12	16 25	12	17 20	American	Weyerhaeuser Tim. Co.	440 0	56 0	18.0	Portsmouth, R. I.	Seattle, Wash	Ballast		8,324	6,036
Santa Cecilia.	11	22 15	12	8 38	12	17 17	12	18 25	American	Argonaut S. S. Line...	404 6	54.0	27 6	New York, N. Y..	Seattle, Wash	Steel, general.	7,491	6,745	4,562
Honduras	9	11.55	12	9 55	12	20 00	12	20 00	Norwegian.	United Fruit Co	235.0	33.6	15.0	Mobile, Ala	Gatun, C. Z [5]	Bananas	296	1,270	716
Point Reyes.	12	7 10	12	9 40	12	18 00	12	19 13	American	Swayne & Hoyt	324 0	46.2	22 6	New Orleans, La	San Francisco, Cal.	Pipe, general.	4,138	3,984	2,617
Matheran.	11	22 45	12	10 15	12	18 59	13	00 35	British	Com'lth. & Dom. Line	470.0	58 3	24 5	New York, N. Y	Sydney, Australia.	General	5,985	8,250	5,656
Cali	8	10 37	12	12 05	12	19 57	12	21 35	German	Roland Line	216.6	32 9	18.4	Bremen, Germany	Buenaventura, Col.	General	1,105	1,105	698
President Arthur	10	15 30	12	13 00	12	20 47	12	22 12	American	Los Angeles S. S. Co	523.5	60 1	25.5	New York, N. Y.	Los Angeles, Calif	Ballast		11,936	7,973
Halo [1]	12	14 55	13	6 15	13	13 45	13	15 10	American	Cities Service Tr. Co...	435.0	56 0	17 0	New York, N. Y	San Pedro, Calif.	Ballast		7,434	5,145
Shunko Maru	12	17 30	13	6 15	13	14 39	13	15 48	Japanese.	Osaka Shosen Kaisha	425 0	53 0	27.2	Boston, Mass	Yokohama, Japan	(6)	7,831	6,914	5,296
Suporteo..	12	22 20	13	7 25	13	15 11	13	16 25	American	Transmarine Lines.	324.0	46 2	20 6	Newark, N. J	San Francisco, Cal.	General	3,200	3,984	2,612
Hawaiian.	13	2 45	13	8 20	13	16 35	13	17 40	American	Amer.-Hawaiian Line	404.0	53 9	20 3	Boston, Mass	Tacoma, Wash	General	4,059	6,766	4,809
Chickasaw City	13	6 55	13	9 15	13	17 07	13	20 56	American	Isthmian S. S. Lines	395 5	55 0	27 0	New York, N. Y.	Vancouver, B. C	Steel, general.	8,642	7,322	5,237
Gymeric [1]	13	7 25	13	11 15	13	17 52	13	18 40	British	Andrew Weir & Co	420.3	54 6	20.9	Rotterdam, Holl	San Pedro, Calif.	Ballast		6,501	4,459
Dio	13	7 45	13	11 00	13	18 45	14	19 35	American	Munson S. S. Line	381 0	52 0	19.0	New York, N. Y.	Tacoma, Wash	General	3,240	5,708	4,131
City of Panama [2]	6	19 55	13	13 10	13	19 35	14	13 40	Panaman	Panama Mail S. S. Co..	296 9	46 0	20.7	Cristobal, C. Z	San Francisco, Cal.	General	3,636	3,848	2,606
Venezuela.	12	18 27	14	6 10	14	15 13	14	16 30	Italian	Italian Line.....	420 0	51.6	24.0	Genoa, Italy	Valparaiso, Chile	General	587	7,622	5,051
Cambrai [1]	13	22 50	14	6 15	14	15 37	15	14 10	American	U. S. Army.....	436 0	58 2	24 0	Brooklyn, N. Y	San Francisco, Cal	Gov't supplies	470	8,407	5,212
Sigdal	11	17 35	14	7 45	14	16 35	14	17.54	Norwegian.	Colombian Trans. Co	211.0	33 0	13 5	Cristobal, C. Z	Buenaventura, Col.	General	1,030	1,063	685
William Green [1]	13	16 20	14	7 35	14	16 06	14	17 10	American	Pan-Amer. Pet. & Tr. Co.	430 0	58 2	18 6	New York, N. Y.	San Pedro, Calif.	Ballast		6,973	4,670
Huntingdon.	14	6 10	14	8 36	14	16 58	14	21 10	British	Federal Steam Nav. Co	520 0	64 2	26 8	Avonmouth, Eng	Auckland, N. Z.	General	6,970	12,945	9,378
Julia Luckenenbach	14	6 23	14	9 55	14	17 24	14	18 28	American	Luckenbach Line	436 0	57 0	28 0	Mobile, Ala	Seattle, Wash	General	7,365	8,543	6,402
Melpomene [1].	13	19 30	14	10 30	14	18 10	14	19 10	French	Cie. Aux. de Navi'tion	425 8	56 9	21 3	Rouen, France	San Pedro, Calif.	Ballast		7,085	5,050
City of Windsor	13	23 05	14	10 50	14	19 00	14	20 04	British	Ellerman & Bucknall.	447 5	57 8	24 2	Newport News, Va	Port Pirie, Aust.	General	6,531	8,691	6,637
Olean [1]	14	9 20	14	11 50	14	19 48	14	21 10	American	Vacuum Oil Co	430 0	58.2	22 0	Philadelphia, Pa.	Los Angeles, Calif	Ballast		7,373	5,486
Sciota [1]	13	15 10	14	9 05	14				American	U. S. Navy	149 3	30 0		Cristobal, C. Z	Balboa, C. Z	Ballast			
F. Q. Barstow [1]	15	6 05	15	6 30	15	14 21	15	15 30	American	Standard Oil Co	500.0	68 2	21 0	Newport News, Va.	San Pedro, Calif.	Ballast		10,530	7,604
Paul Luckenenbach	15	6 20	15	8 30	15	15 20	15	16 20	American	Luckenbach Line	471.0	59 2	23.0	Boston, Mass	Seattle, Wash	General	7,100	9,027	6,539
San Roberto [1].	15	8 15	15	9 40	15	16 19	15	22 07	British	Anglo-Mexican Pet. Co.	407 0	52 2	19 0	Tyne, England	San Pedro, Calif.	Ballast		6,239	4,350
Santa Cruz	14	17 00	15	10 52	15	16 27	16	1 17	American	Grace Line	384.0	50.2	21.6	New York, N. Y	Antofagasta, Chile.	General	3,333	5,534	3,868

[1] Tanker. [2] Motor ship. [3] Transport. [4] Tug. [5] And return to Mobile, Ala. [6] Phosphate rock, sulphate of ammonia, and general.

Pacific Shipper [2]	14	6 40	15	12.08	15	18.27	16	09 02	British	Furness, Withy & Co.	420.0	58.0	18.11	Manchester, Eng.	Vancouver, B. C.	Bananas	1,319	7,892	5,858
Canadian Importer	15	11.10	15	12.48	15	20 28	15	22.07	British	Can. Gov. Mer. Mar.	400.5	52.4	21.0	Montreal, Canada	Vancouver, B. C.	General	3,240	5,891	4,186
Fred W. Weller [1]	12	8.35	16	6.08	16	14.00	16	15 05	American	Standard Oil Co	500.0	68.0	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast		10,928	7,710
W. W. Mills [1]	15	15.55	16	7.20	16	14 52	16	16 0[illegible]	American	Pure Oil S. S. Co	424.4	58.2	16.0	New Orleans, La.	San Pedro, Calif.	Ballast		7,333	5,119
W. S. Miller [1]	16	2 10	16	8 25	16	15.35	16	18 5	American	Standard Oil Co	435.0	56 2	22.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,470	5,144
Acme [1]	16	3.30	16	9 40	16	17.1[illegible]	16	18.15	American	Standard Transp. Co.	435.0	56.0	24.0	Beaumont, Tex.	Shanghai, China	Petroleum	8,719	7,165	4,926
Annam [2]	16	8 10	16	11.05	16	17.58	18	21 01	Danish	East Asiatic Co	410.0	55.2	27.1	Copenhagen, Den.	Vancouver, B. C.	General	8,594	7,067	5,286
Narenta	16	9 20	16	13 40	16	19.54	16	20 58	British	Royal Mail S. P. Co	450.0	58.0	20.3	Antwerp, Belgium	Vancouver, B. C.	General	2,841	8,856	6,559
Essequibo	16	18 55	17	6 04	17	13.41	17	14 35	British	Pacific Steam Nav. Co	450.0	57.8	24.3	New York, N. Y.	Talcahuano, Chile	General	3,019	9,158	6,176
Jane Christensen	16	18 25	17	6.40	17	14.24	17	18 07	American	Arrow Line	409 5	54.2	18 4	New York, N. Y.	Seattle, Wash	General	3,540	6,615	4,966
A. C. Bedford [1]	17	4.10	17	8 34	17	16 53	17	18 00	American	Standard Oil Co	500.0	68.0	20 0	New York, N. Y.	San Pedro, Calif.	Ballast		10,896	7,688
Hororata	17	14 52	18	5 50	18	13.48	18	14 50	British	N. Z. Shipping Co	511.0	64.0	27.8	London, England	Wellington, N. Z.	General	3,700	12,623	8,763
Canadian Commander	17	11 10	18	6 25	18	14.12	18	15.00	British	Can. Gov. Mer. Mar.	400.0	52.0	19.4	Montreal, Canada	Auckland, N. Z.	General	1,653	5,914	4,195
Texan	17	20 40	18	7.20	18	14.38	18	15 45	American	Amer.-Hawaiian Line	471.0	57.2	20.6	Norfolk, Va.	Portland, Oreg.	General	4,416	9,154	6,903
La Crescenta [1]	18	2 36	18	7.25	18	15 14	18	20 28	British	Anglo-Saxon Pet. Co.	400.0	53.0	21.9	Liverpool, England	San Pedro, Calif.	Ballast		6,128	4,062
Pacific Pine	18	6.05	18	8.48	18	16 18	18	17 05	American	Ocean Transport Co	410.5	54.3	19.4	Jacksonville, Fla.	Seattle, Wash.	General	3,150	6,583	4,929
Vera	15	11.05	18	9 20	18	16.56	18	16 50	Norwegian	United Fruit Co	220.0	32 0	12 9	Mobile, Ala.	Gatun, C. Z [9]	Bananas	175		
H. C. Fogler [1]	18	7.32	18	9.40	18	17 09	18	18.15	American	Atlantic Refining Co.	435.0	56.0	20.0	Fall River, Mass.	Los Angeles, Calif.	Ballast		7,461	5,159
Pajala [2]	18	7 36	18	10.40	18	18 00	18	22 15	Swedish	Trafikaktiebologet Grangesberg Oxelo'nd	419.0	55.0	24.0	Rotterdam, Holl.	San Francisco, Cal.	Coke	6,400	7,274	5,213
Atrato [7]	15	17 00	18	11 26	18	19.36	18	21 25	Colombian	Colombian Transp. Co.	98 0	23.0	7 6	Cristobal, C. Z.	Buenaventura, Col.	General	152	160	92
Niobe [1]	18	8 35	18	11 42	18	19.07	18	20 04	Inter-Allied	Standard Oil Co.	476.8	62 3	18 2	Ellesmere, England	San Pedro, Calif.	Ballast		8,914	6,674
Tut [8]			17		17	13.32			American	J. J. Burton				Cristobal, C. Z.	Gatun, C. Z.	Ballast		1	1
Q-2 [8]			18		18	8.32			American	U. S. Army				Cristobal, C. Z.	Gatun, C. Z.	Ballast			

[1] Tanker. [7] Motor schooner. [8] Launch. [9] And return to Mobile, Ala.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Sun [1]	11	10.42	12	6.20	12	14.40	12	14 20	American	Sun Oil Co	382.0	49.7	22.0	San Francisco, Cal.	New York, N. Y.	Gasoline	6,000	5,020	3,324
Agnes [10]	12	6.00	12	7.18	12				Panaman	Pacific Fruit Co.	57.8	19.7	6.8	Panama Bay, R. P.	Gatun, C. Z.	Bananas	6	57	29
Mystic	11	19.00	12	7 35	12	15.25	12	15 25	American	Arrow Line	400.0	54 0	26.7	Seattle, Wash.	Baltimore, Md	Lumber, general	7,258	6,623	4,625
Hanley	11	20.45	12	8 18	12	16.55	12	16 55	American	Hanley Steamship Co	440.0	56.0	27.0	Everett, Wash.	Baltimore, Md	Lumber	9,270	8,301	5,995
Napoli	12	6 55	12	8.41	12	16.35	13	15 25	Italian	Nav. Gen. Italiana	405 9	52 78	21.4	Valparaiso, Chile	Genoa, Italy	General, nitrates	3,459	6,740	4,280
Inverurie [1]	12	5.20	12	10 30	12	18 05	12	23.22	British	British Mex. Pet. Co.	412 6	55 8	28.0	San Pedro, Calif.	Southampton, Eng.	Fuel oil	8,588	7,108	4,434
Invergordon [1]	12	9.45	12	10 28	12	19.30	13	09.35	British	British Mex. Pet. Co.	412.9	55 6	28.3	San Pedro, Calif.	Southampton, Eng.	Fuel oil	8,604	7,116	4,433
Hvington Court	12	14.15	12	14 58	12	23 10	13	6.00	British	Bank Line	400.0	52 3	24 6	Makatea Island	Landskrena, Swed'n	Phosphates	7,000	5,714	4,053
Honduras			12		12	20.00	12	20 00	Norwegian	United Fruit Co.	235.0	33.6		Gatun Lake, C. Z.	Mobile, Ala	Bananas	296	1,270	716
Cellina [11]	12	14 45	13	6 38	13	14 50	13	20.50	Italian	Nav. Libera-Triestina	436 60	53.74	27 6	Vancouver, B. C.	Trieste, Italy	General	8,528	7,784	5,909
Sciota [11]			13	6 40	13	15.10	14	9 05	American	U. S. Navy	155.0	30.0		Balboa, C. Z.	Cristobal, C. Z.	(12)			
Swiftlight [1]	12	22.05	13	7.37	13	16.00	13	16 00	American	C. D. Mallory & Co	464 65	60 60	27.0	Los Angeles, Calif	Fall River, Mass.	Crude oil	11,215	8,473	6,050
Munaires	13	00.20	13	8.10	13	16.30	13	16 30	American	Munson S. S. Line	370.0	53.1	22.0	Portland, Oreg.	Philadelphia, Pa.	Lumber, lathes	5,500	5,577	4,225
Gedania [1]	13	3.00	13	8.41	13	17.37	13	17 37	Danzig	Baltic-Amer. Pet. Co.	498.8	64.1	27.6	Talara, Peru	Charleston, S. C.	Crude oil	13,200	10,596	8,085
Santa Ana	13	2.50	13	9.18	13	17.10	13	19.32	American	Grace Line	360.2	51.6	25.9	Talcahuano, Chile	New York, N. Y.	General	3,640	5,776	4,081
Lena Luckenbach	13	9 30	13	10.17	13	18 20	15	20 25	American	Luckenbach Line	425.0	53.8	26.0	Portland, Oreg.	Galveston, Tex.	General	8,289	7,217	5,295
Diana Dollar	13	5.15	13	11 20	13	19 30	13	19 30	American	Dollar Line	429.0	55 2	28.0	Seattle, Wash.	New York, N. Y.	Lumber, general	9,200	7,582	5,521
West Montop	13	13 00	13	14 00	13	21 12	13	21 12	American	Calif. & East. S. S. Co.	410.0	54.4	24 6	Raymond, Wash.	Baltimore, Md.	Lumber, scrap	3,059	6,484	4,675

[1] Tanker. [10] Motor schooner. [11] U. S. Navy tug. [12] Towing barge *No. 2*. [13] Motor ship.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Point Judith	13	13 25	13	14 14	13	22 25	13	22 25	American	Swayne & Hoyt	289.0	44 15	19 2	Seattle, Wash.	New Orleans, La.	General	2,700	2,902	1,962
Svealand [15]	13	7 15	13	16 06	14	12 15	14	12.15	Swedish	Axel Brostrom & Son	561.10	72 2	33 0	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	15,425	4,420
Marore	13	15 40	14	6 08	14	15 15	14	15 15	American	Ore S. S. Corp.	550.3	72 2	34 6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	15,551	4,297
W. L. Steed [1]	13	7 30	14	7 21	14	15 30	14	15 30	American	Mexican Petroleum Co.	416 8	56 1	27 6	Los Angeles, Calif.	Baltimore, Md.	Gasoline	10,859	6,751	4,795
Acardo [1]	13	13 45	14	8 10	14	16 00	14	17.15	British	Anglo-Saxon Pet. Co	427.0	53.3	24 8	San Francisco, Cal.	Land's End, Eng [14]	Benzine	7,364	6,189	4,235
Lobos [15]	13	14 00	14	9 49	14	17 10	14	21.55	British	Pacific Steam Nav. Co.	404.7	54 2	24 4	Punta Arenas, Chile	Grenock, Scotland	General	7,650	7,151	4,756
General Botha	13	19 00	14	9 32	14	17 45	14	18 40	British	Sir W. R. Smith & Sons	399.6	53.7	26 0	Portland, Oreg.	Queenstown, Ire'nd	Wheat in bulk	7,570	.....	.....
Cedar Branch	13	23 45	14	9 46	14	17 55	14	18 40	British	F. & W. Ritson	390.5	51.0	21 3	Corral, Chile	Liverpool, England	General	5,096	4,927	3,597
Virginian	14	00 20	14	10 20	14	18 20	14	18 20	American	Amer.-Hawaiian Line	491.5	58.2	29.6	Seattle, Wash.	Boston, Mass.	General, lumber	9,000	10,491	7,546
Acajutla	14	9 45	14	11 15	14	19 49			British	Pacific Steam Nav. Co	215.7	33.5	14.5	Champerico, Guat.	Cristobal, C. Z.	General	309	1,273	706
Architect	14	4 30	14	12 40	14	20 15	14	20 15	British	T. & J. Harrison.	410.6	52 35	27 0	Vancouver, B. C.	Liverpool, England	General	7,300	6,245	4,305
Varanger [1] [15]	14	2 40	14	10 48	14	19 15	14	19 40	Norwegian	Westfal-Larsen & Co.	470.1	60 2	29 4	San Pedro, Calif.	United Kingdom	Kerosene tops	12,367	9,431	6,451
Neches [1]	14	21 30	15	6 02	15	13 38	16	23.55	American	U. S. Navy	455.0	56 0	28.1	San Pedro, Calif.	Guantanamo, Cuba	Oil, gasoline	6,300	.....	.....
Brazos [1]	14	21 23	15	7 04	15	15.10	17	9.30	American	U. S. Navy	455.0	56.2	26 04	San Pedro, Calif.	Guantanamo, Cuba	Oil, gasoline	7,653	.....	.....
Lewis Luckenbach	15	1.00	15	7 52	15	16 45	15	16 45	American	Luckenbach Line	496 0	68 2	29 8	Portland, Oreg.	Boston, Mass.	General, lumber	11,552	11,487	8,762
Atrato [15]	14	13 10	15	8.05	15	17 00	18	11 26	Colombian	Colombian Transp. Co	98.0	23.0	7.0	Buenaventura, Col.	Cristobal, C. Z.	Ivory nuts, coffee	143	160	92
Canadian Winner	15	3 30	15	8 55	15	17.15	15	17 15	British	Can. Cov. Mer. Mar.	399.8	52.28	24 6	Vancouver, B. C.	Antwerp, Belgium	Lumber, ore	6,965	5,885	4,073
Bloemfontein	15	10.30	15	11 20	15	18 50	15	20.45	British	Ellerman & Bucknall	399.5	59.0	24 6	Yokohama, Japan	Hull, England	General	6,670	5,673	4,153
Francis E. Powell [1]	16	4 20	16	6 02	16	13.40	16	13.40	American	Atlantic Refining Co.	431.0	59 2	27 0	San Pedro, Calif.	Philadelphia, Pa.	Gasoline	9,665	7,869	5,101
Nevada	15	17 30	16	7 13	16	14 55	16	20 40	French	French Line	438.0	56 0	26 3	Vancouver, B. C.	Hull, England	General	7,397	7,590	5,196
Guayaquil	15	23 00	16	8 10	16	15 05	17	13 25	American	Panama R.R. S. S. Line	251.0	43 6	17 7	Guayaquil, Ecu'dor	New York, N. Y.	General	1,857	2,874	1,944
Atto	15	23 35	16	8 59	16	16.35	16	18.35	German	Roland Line (A. G.)	360.44	51 0	15 2	Champerico, Guat.	New Orleans, La.	Ballast		4,895	3,400
James B. Duke	16	3 00	16	10 25	16	17 35	16	17.35	American	Garland S. S. Co	385.0	51.2	26 0	Aberdeen, Wash.	New York, N. Y.	Lumber	6,354	6,242	4,471
El Lobo [1]	16	5 20	16	11 06	16	18 25	16	21 55	British	G. T. Fowring & Co	385.2	51.0	24 0	Lobitos, Peru	Philadelphia, Pa.	Crude oil	6,308	4,851	3,311
Watertown [1]	16	14 08	17	6 10	17	13 50	17	13 50	American	Cities Service Trans. Co	416 9	56 2	28 0	San Pedro, Calif.	Philadelphia, Pa.	Gasoline	9,000	6,706	4,766
Pensylvanie	16	15 15	17	7 16	17	15 25	18	1 40	British	French Line	400.0	52 0	27 0	Vancouver, B. C.	Europe	General	7,469	5,964	4,384
Oroya	17	00 50	17	8 34	17	15.40	17	18 03	British	Pacific Steam Nav. Co.	524.53	62.85	24 0	Corral, Chile	Liverpool, England	General	3,416	13,133	9,064
Oneida	16	16 15	17	8 51	17	16 05	17	16.05	American	Ford Motor Co	251.0	43.0	19 06	Tacoma, Wash.	New York, N. Y.	Lumber	1,857	2,656	1,632
Agwilake [1]	17	3.00	17	9 24	17	17.48	17	17.48	American	Inter. Shipping Corp.	468.3	62.7	29.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	12,650	9,802	6,957
London Merchant	17	7 00	17	9.31	17	17 48	17	23.15	British	Furness, Withy & Co.	460.1	58 1	27 0	Vancouver, B. C.	London, Glasgow	General	7,500	8,416	5,914
Canadolite [1] [15]	17	10 00	17	10 44	17	18 50	17	22.45	British	Imperial Oil Co., Ltd.	510.9	68 25	30 9	San Pedro, Calif.	Montreal, Quebec	Crude oil	15,664	11,556	7,658
Monpelier	17	5.15	17	12 14	17	19 20	17	19.20	American	Am. Ship. & Com. Co.	469.0	57.9	26 0	Seattle, Wash.	Antwerp, Belgium	General	8,668	6,368	4,141
Byron D. Benson [1]	17	12 13	17	13 39	17	21 30	17	21.30	American	Tidewater Oil Co	465.4	60.2	28.2	Los Angeles, Calif.	New York, N. Y.	Crude oil	12,000	8,546	5,870
Sheaf Mead	17	13 00	17	14 01	17	22 20	17	22 20	British	So. Alberta Lumber Co.	380.0	52.6	23.0	Vancouver, B. C.	New York, N. Y.	Lumber	6,400	5,326	4,008

[1] Tanker.

[14] For orders.

[15] Motor ship.

Stromboli	17	13.15	17	14.18	17	23.55	18	12.05	Italian	Italian Line	400.2	52.3	25.10	Iquique, Chile	Alexandria, Egypt	Nitrate of soda	7,396	5,738	3,961
Dinteldijk [15]	18	4.30	18	7.11	18	15.20	18	19.08	Dutch	Holland-American Line	485.65	62.3	28.8	Vancouver, B. C.	Rotterdam, Holl.	Wheat, general	9,056	10,786	7,551
Arabian Prince	18	6.45	18	8.05	18	15.45	18	16.50	British	Prince Line, Ltd.	495.0	52.3	25.0	Portland, Oreg.	Belfast, Ireland	Wheat	7,866	6,304	4,531
Liebre [1]	18	10.45	18	11.28	18	19.10	18	19.10	American	Standard Transp. Co.	435.0	56.2	28.0	San Francisco, Cal.	New York, N. Y.	Gas oil	19,186	7,567	5,098
S-44 [16]			18	14.10	18	20.33			American	U. S. Navy				Balboa, C. Z.	Cristobal, C. Z.				
Chiman [15]	18	11.45	18	14.18	18	22.10	21	6.10	Panaman	National Nav. Co.	161.0	21.0	9.0	Buenaventura, Col.	Cristobal, C. Z.	General	227	211	124

[1] Tanker. [16] Submarine. Hours are expressed on the 24-hour basis and all hours greater than 12 are post meridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
September 12	Heredia	United Fruit Co.	New Orleans via Habana.
September 12	Toloa	United Fruit Co.	Port Limon, Costa Rica.
September 13	Calamares	United Fruit Co	New York via Habana.
September 14	Turrialba	United Frut Co.	New Orleans via Habana.
September 15	Heredia	United Fruit Co	Boras del Toro, R. P.
September 15	Ancon	Panama Railroad S. S. Line	New York via Haiti.
September 15	Carare	Elders & Fyffes, Ltd.	Avonmouth, England.
September 15	Tivives	United Fruit Co	New York via Kingston.
September 15	Virginia	Standard Fruit S. S. Co	New Orleans, La.
September 15	Cariari [17]		Colon, R. P.
September 16	Santa Marta	United Fruit Co	Colombian ports.
September 16	Bayano	Elders & Fyffes, Ltd	Avonmouth via wayports.
September 16	Dorelian	Leyland Line	Liverpool via wayports.
September 18	Carare	Elders & Fyffes, Ltd	Port Limon, Costa Rica.
September 18	Virginia	Standard Fruit S. S. Co.	San Blas, R. P.
September 18	Limon	United Fruit Co	New York via wayports.

* DEPARTURES.

Date.	Vessel.	Line.	For—
September 12	Toloa	United Fruit Co.	New York via Habana.
September 12	Heredia	United Fruit Co	Boras del Toro, R. P.
September 12	San Mateo	United Fruit Co	New York, N. Y.
September 14	Chateau Thierry [18]	U. S. Army	New York via San Juan.
September 15	Heredia	United Fruit Co.	New Orleans and Habana.
September 15	Calamares	United Fruit Co	Port Limon, Costa Rica.
September 15	Carare	Elders & Fyffes, Ltd.	Port Limon, Costa Rica.
September 16	Tivives	United Fruit Co.	Colombian ports.
September 16	Santa Marta [17]	United Fruit Co.	New York via Kingston.
September 16	Turrialba	United Fruit Co	New Orleans via wayports
September 16	Bayano	Elders & Fyffes, Ltd.	Santa Marta, Colombia.
September 16	Virginia	Standard Fruit S. S. Co.	San Blas, R. P.
September 17	Dorelian	Leyland Line	Charleston, S. C.
September 18	Carare	Elders & Fyffes Ltd	Kingston, Jamaica.
September 18	Virginia	Standard Fruit S. S. Co	New Orleans, La.

[17] Motor sloop. [18] Transport.

PORT OF BALBOA.

September 16	Coalinga	Union Oil Co. of California	San Francisco, Calif.	September 11	City of Nome [15]	W. H. Moore	Sea.
September 17	W. S. Miller	Standard Oil Co. of California	Sea.	September 17	Coalinga	Union Oil Co. of California	Los Angeles harbor.
September 18	Cliona	Anglo-Saxon Petroleum Co.	San Pedro, Calif.	September 18	Oak Branch	F. & W. Ritson	Corral, Chile.
				September 18	W. S. Miller	Standard Oil Co. of California	Los Angeles, Calif.

* Other than ships passing through the Canal.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Atlantic to the Pacific, August, 1926.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.							Asia.					Australasia.					
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America.	West coast of North America.[1]	Balboa, C. Z.[2]	Hawaii.	Total, North America.	Japan.	China.	Philippines.	Far East.[1]	Total, Asia.	Australia.	New Zealand.	Australasia.[1]	Total, Australasia.	Grand totals.	Per cent of total cargo.
North America:																								
United States:																								
North Atlantic ports	8,539				20,356	28,895	185,368	956	545			3,687	190,556	26,394	3,706	100	52,518	82,718	28,969	10,481		39,450	341,619	49.6
South Atlantic ports							2,550						2,550	3,075			1,970	5,045					7,595	1.1
Gulf ports					1,470	1,470	14,060				306		14,366	9,744	4,464		30,229	44,437	15,601		6,566	22,167	82,440	11.9
Totals, United States	8,539				21,826	30,365	201,978	956	545		306	3,687	207,472	39,213	8,170	100	84,717	132,200	44,570	10,481	6,566	61,617	431,654	62.6
Cristobal, C. Z.[2]	101	2,331		317	2,246	4,995	2,763		2,388		49		5,200										10,195	1.5
East coast of Canada								2,500					2,500						5,468	6,872		12,340	14,840	2.2
West Indies							2,400			1,917			4,317	7,350	15,330		7,000	29,680		7,150		7,150	41,147	6.0
East coast of Mexico and Central America								12,300					12,300						7,400			7,400	19,700	2.8
Totals, North America	8,640	2,331		317	24,072	35,360	207,141	15,756	2,933	1,917	355	3,687	231,789	46,563	23,500	100	91,717	161,880	57,438	24,503	6,566	88,507	517,536	75.1
Europe:																								
British Isles	131				7,022	7,153	11,223	2,105		775			14,103						4,742	46,435		51,177	72,433	10.6
Belgium	589	2,790		38	1,328	4,736	21,865	3,846		1,780			27,491										32,227	4.6
France					231	231	11						11										242	
Germany	168	681			6,810	7,659	642		2,931				3,573										11,232	1.6
Holland							6,406	474		100			6,980										6,980	1.0
Italy																	102	102					102	
Norway and Sweden	1,019					1,019																	1,019	0.2
Spain and Portugal	14					14																	14	
Europe[1]		2,474			22,394	24,868	2,342	2,975	943	3,064			9,324										34,192	4.9
Totals, Europe	1,912	5,945		38	37,785	45,689	42,489	9,400	3,874	5,719			61,482				102	102	4,742	46,435		51,177	158,441	22.9
East coast of South America							13,570						13,570										13,570	2.0
Grand totals	10,552	8,276		355	61,857	81,040	263,200	25,156	6,807	7,636	355	3,687	306,841	46,563	23,500	100	91,819	161,982	62,180	70,938	6,566	139,684	689,547	100.0
Per cent of total cargo:																								
August, 1926	1.5	1.2			9.1	11.8	38.4	3.7	0.9	1.1		0.5	44.6	6.8	3.4		13.1	23.3	9.1	10.3	0.9	20.3	100.0	
August, 1925	3.1	0.4	0.2	0.7	9.6	14.0	44.7	2.9	2.4	1.9	1.2	1.5	54.6	5.4	1.2	1.4	5.9	13.9	6.1	9.6	1.8	17.5	100.0	
August, 1924	9.3	0.6	0.2	0.2	16.1	26.4	40.0	1.3	1.9	3.3		0.5	47.0	3.1	1.3	0.1	7.7	12.2	1.2	4.0	9.2	14.4	100.0	

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, August, 1926.

(Figures represent tons of 2,240 pounds.)

From—	North America. United States. North Atlantic ports.	South Atlantic ports.	Gulf ports.	Total, United States.	East coast of Canada.	West Indies.	Cristobal, C. Z.[2]	Total, North America.	Europe. British Isles.	Belgium.	Denmark.	France.	Germany.	Holland	Italy.	Norway and Sweden.	Spain and Portugal.	Europe.[1]	Total, Europe.	East coast of South America.	Egypt.	Africa.	Grand totals.	Per cent of total cargo.
South America:																								
Chile	170,011	5,500		175,511	15,900	21	196	191,628	3,920	16,122		659	4,980	29				47,237	72,947		32,106		296,681	18.2
Colombia	1,621		78	1,699			3,938	5,637															5,637	0.4
Ecuador	652			652			345	997	81				75		52			979	1,187				2,184	0.1
Peru	12,174	49,000		61,174	10,150	104		71,428	15,733	3,590			254	599				5,714	25,890				97,318	5.9
W. coast S. Amer.[1]	10,366		86	10,452			426	10,878	2,399	991			404					4,387	8,181				19,059	1.2
Totals, S. Am.	194,824	54,500	164	249,488	26,050	125	4,905	280,568	22,133	20,703		659	5,713	628	52			58,317	108,205		32,106		420,879	25.8
North America:																								
W. coast Canada	32,061	3,129		35,190	6,255	900		42,345	22,019			1,782		550				9,435	33,786	323			76,454	4.7
W. coast Cen. Am.	2,189			2,189		986	2,958	6,133								185	2,980		3,165				9,298	0.6
W. coast U. S.	747,583	875	7,469	755,927	26,663	937	711	784,238	186,569	8,134	3,000	14,797	13,612	561		5,153		31,143	262,969	922			1,048,129	64.2
Hawaii			67	67				67	700							500			1,200				1,267	0.1
Balboa			[3] 686	686				686															686	
W. coast N. Am.[1]									2,791				1,090					3,656	7,537				7,537	0.4
Totals, N. Am.	781,833	4,004	8,222	794,059	32,918	2,823	3,669	833,469	212,079	8,134	3,000	16,579	14,702	1,111		5,838	2,980	44,234	308,657	1,245			1,143,371	70.0
Asia:																								
China	1,253			1,253		698	473	2,424															2,424	0.2
Japan	2,074		72	2,146				2,146															2,146	0.1
Philippines	12,206		4,643	16,849		325		17,174															17,174	1.1
Far East[1]	12,673			12,673			90	12,763	6,272										6,272				19,035	1.1
Totals, Asia.	28,206		4,715	32,921		1,023	563	34,507	6,272										6,272				40,779	2.5
Australasia:																								
Australia	1,238			1,238	202			1,449	498										498				1,938	0.1
New Zealand	4,004			4,004	317			4,321	18,224									2,638	20,862				25,183	1.6
Totals, Aust'sia	5,242			5,242	519			5,761	18,722									2,638	21,360				27,121	1.7
Grand totals	1,010,105	58,504	13,101	1,081,710	59,487	3,971	9,137	1,154,305	259,206	28,837	3,000	17,238	20,415	1,739	52	5,838	2,980	105,189	444,494	1,245	32,106		1,632,150	
Per cent of total cargo:																								
August, 1926	61.8	3.6	0.9	66.3	3.6	0.3	0.5	70.7	15.8	1.7	0.2	1.5	1.2	0.1		0.3	0.1	6.4	27.3	0.1	1.9		100.0	
August, 1925	57.8	3.9	4.1	65.8	1.5	0.6	1.4	69.3	14.8	0.7	0.3	0.4	1.5	0.1	0.1	1.1	0.1	9.6	28.7	0.6	1.0	0.4	100.0	
August, 1924	60.8	2.9	1.1	64.8	2.5	0.7	0.4	68.4	15.9	0.4	0.3	0.9	1.8	1.3	0.2	0.1	1.3	8.1	30.3	0.4	0.5	0.4	100.0	

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

[3] Bananas from Gatun Lake.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending September 18, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Cali	Roland Line		September 12		1,096
Honduras	United Fruit Co		September 12		477½
Manual Calvo	Spanish Line		September 12		187
San Mateo	United Fruit Co		September 12		474
Toloa	United Fruit Co	September 12	September 12	58	(1)
Heredia	United Fruit Co	September 12	September 12	493	126
Napoli	Italian Line	September 12	September 13	58	85
City of Panama	Panama Mail S. S. Co		September 13		3,500
Venezuela	Italian Line	September 12	September 14	132	(2)
Santa Ana	Grace Line	September 13	September 13	(1)	47
Calamares	United Fruit Co	September 13	September 15	231	33
Santa Cruz	Grace Line	September 14	September 15	355	80
Pacific Shipper	Furness Pacific S. S. Line	September 14	September 15	(1)	223
Turrialba	United Fruit Co	September 14	September 16	889	57½
Sigdal	Colombian Transport Line		September 14		1,263
Lobos	Pacific Steam Navigation Co	September 14	September 14	7	48½
Atrato	Colombian Transport Line	September 14	September 18	143	151
Heredia	United Fruit Co	September 15	September 15	27	138
Ancon	Panama Railroad S. S. Line	September 15		3,278	
Tivives	United Fruit Co	September 15	September 16	93	1,042
Virginia	Standard Fruit S. S. Co	September 15	September 16	131	42
Santa Marta	United Fruit Co	September 16	September 16	(2)	167
Narenta	Pacific Steam Navigation Co	September 16	September 16	½	216
Nevada	French Line	September 16	September 16	61	32
Dorelian	Leyland Line	September 16	September 17	622	(2)
Guayaquil	Panama Railroad S. S. Line	September 16	September 17	563	(2)
Essequibo	Pacific Steam Navigation Co	September 16	September 17	68	93
Pensylvanie	French Line	September 17	September 18	(1)	196
Limon	United Fruit Co	September 18		179	
Dinteldyk	Holland-American Line	September 18	September 18	(1)	50
Chiman	National Navigation Co	September 18		227	
Nitokris	Kosmos Line	September 18		460	
Virginia	Standard Fruit S. S. Co	September 18	September 18	(1)	549
Acajutla	Pacific Steam Navigation Co	September 14		309	

[1] No cargo discharged. [2] No cargo laded. [3] 156 pounds. [4] 14 packages.

Traffic by Nationality for August, 1926.

The following tabulations show the commercial traffic through the Canal during month of August, 1926, classified according to nationality of vessels, by direction of transit, and the combined traffic in both directions, together with corresponding totals for August, 1925 and 1924:

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered. Gross.	Tonnage. Registered. Net.	Tolls.	Tons of cargo.
Belgian	1	3,217	4,064	5,196	3,175	$2,926.08	
British	61	256,454	325,693	420,107	258,919	295,331.77	228,822
Chilean	1	3,479	4,672	7,310	3,976	4,348.75	1,538
Colombian	1	81	92	153	68	101.25	145
Danish	1	2,690	4,467	4,473	2,738	3,216.24	
Danzig	1	5,236	6,338	8,956	5,041	4,563.36	
Dutch	4	19,399	26,172	31,003	19,340	24,248.75	12,196
French	5	17,314	22,498	28,305	17,379	21,642.50	10,997
German	7	18,803	26,097	30,929	18,832	23,503.75	26,806
Italian	3	11,527	13,458	18,993	11,595	14,408.75	6,430
Japanese	5	20,601	25,541	31,992	20,279	25,751.25	32,565
Norwegian	13	20,662	31,594	35,188	20,686	25,237.99	36,424
Panaman	4	306	328	486	270	313.93	363
Peruvian	2	2,981	4,647	7,190	4,221	3,726.25	889
Spanish	1	3,284	3,897	5,617	3,342	4,105.00	121
Swedish	7	18,813	24,482	49,374	22,568	19,854.47	15,611
United States	122	497,641	633,369	799,061	496,714	525,921.21	316,640
Totals:							
August, 1926	239	902,488	1,157,409	1,484,333	909,143	999,201.30	689,547
August, 1925	196	735,241	948,690	1,196,408	737,663	836,562.38	611,063
August, 1924	191	775,089	984,417	1,243,174	775,376	854,656.39	531,703

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered. Gross.	Tonnage. Registered. Net.	Tolls.	Tons of cargo.
Belgian	2	7,750	8,962	12,158	7,734	$9,687.50	16,908
British	49	183,602	232,279	300,668	185,205	227,188.89	287,683
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	2,447
Colombian	2	254	264	386	234	307.65	375
Danish	7	18,390	22,958	28,464	18,469	22,191.25	30,741
Danzig	1	5,193	5,929	8,745	5,026	6,491.25	11,351
Dutch	2	9,818	12,417	16,246	9,732	12,272.50	15,735
French	4	15,728	19,140	25,868	15,913	19,660.00	27,694
German	10	36,522	48,556	59,307	36,586	45,513.88	66,399
Honduranian	1	341	425	623	348	306.00	
Italian	6	18,705	22,211	30,460	18,680	23,173.00	37,010
Japanese	5	20,297	24,879	31,046	19,720	25,174.55	31,825
Norwegian	9	21,352	29,338	34,992	21,358	26,690.00	48,574
Panaman	5	4,312	5,226	6,925	4,357	5,387.40	7,586
Peruvian	1	2,073	2,621	3,287	1,993	2,591.25	3,058
Spanish	1	3,085	3,593	5,205	3,226	3,856.25	1,198
Swedish	4	10,402	15,148	25,909	12,802	13,002.50	35,001
United States	114	484,994	610,657	779,038	482,739	603,851.74	1,000,849
Jugo-Slav	1	3,284	4,188	5,150	3,281	4,105.00	7,796
Totals: August, 1926	225	849,614	1,073,496	1,381,787	851,379	1,055,840.61	1,632,150
August, 1925	197	737,680	933,248	1,205,578	747,357	918,050.71	1,354,551
August, 1924	181	733,567	917,478	1,181,296	733,488	915,343.55	1,426,776

COMBINED TRAFFIC.

Nationality.	No. of vessels.	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered. Gross.	Tonnage. Registered. Net.	Tolls.	Tons of cargo.
Belgian	3	10,967	13,026	17,354	10,909	$12,613.58	16,908
British	110	440,056	557,972	720,775	444,124	522,520.66	516,505
Chilean	2	6,991	9,377	14,620	7,952	8,738.75	3,985
Colombian	3	335	356	539	302	408.90	520
Danish	8	21,080	27,425	32,937	21,207	25,407.49	30,741
Danzig	2	10,429	12,267	17,701	10,067	11,054.61	11,351
Dutch	6	29,217	38,589	47,249	29,072	36,521.25	27,931
French	9	33,042	41,638	54,173	33,292	41,302.50	38,691
German	17	55,325	74,653	90,236	55,418	69,017.63	93,125
Honduranian	1	341	425	623	348	306.00	
Italian	9	30,232	35,669	49,453	30,275	37,581.75	43,440
Japanese	10	40,898	50,420	63,038	39,999	50,925.80	64,390
Norwegian	22	42,014	60,932	70,180	42,044	51,927.99	84,998
Panaman	9	4,618	5,554	7,411	4,627	5,701.33	7,949
Peruvian	3	5,054	7,268	10,477	6,214	6,317.50	3,947
Spanish	2	6,369	7,490	10,822	6,568	7,961.25	1,319
Swedish	11	29,215	39,630	75,283	35,370	32,856.97	50,612
United States	236	982,635	1,244,026	1,578,099	979,453	1,129,772.95	1,317,489
Jugo-Slav	1	3,284	4,188	5,150	3,281	4,105.00	7,796
Totals: August, 1926	464	1,752,102	2,230,905	2,866,120	1,760,522	2,055,041.91	2,321,697
August, 1925	372	1,394,284	1,779,627	2,265,536	1,398,466	1,657,893.90	1,912,217
August, 1924	372	1,508,656	1,901,895	2,424,470	1,508,864	1,769,999.94	1,958,479

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Sailings of Panama Railroad Steamship Line.

Following are proposed dates of sailings of passenger vessels in the New York-Cristobal service of the Panama Railroad Steamship Line, in which the steamers *Ancon* and *Cristobal* are engaged, sailing alternately:

Steamer.	Leave New York 3 p. m.	Leave Port-au-Prince p. m	Arrive Cristobal a. m.	Leave Cristobal 3 p. m.	Leave Port-au-Prince p. m.	Arrive New York a. m.
Ancon	Sept. 7	Sept. 12	Sept. 15	Sept. 19	Sept. 22	Sept. 27.
Cristobal	Sept. 21	Sept. 26	Sept. 29	October 3	October 6	October 11
Ancon	October 5	October 10	October 13	October 17	October 20	October 25.
Cristobal	October 19	October 24	October 27	October 31	Nov. 3	Nov. 8.
Ancon	Nov. 3	Nov. 8	Nov. 11	Nov. 15	Nov. 18	Nov. 23.
Cristobal	Nov. 16	Nov. 21	Nov. 24	Nov. 28	Dec. 1	Dec. 6
Ancon	Nov. 30	Dec. 5	Dec. 8	Dec. 12	Dec. 15	Dec. 20.
Cristobal	Dec. 14	Dec. 19	Dec. 22	Dec. 26	Dec. 29	January 3.
Ancon	Dec. 28	Jan. 2	Jan. 5	Jan. 9	Jan. 12	Jan. 17

Steamers sail at 3 p. m. from Pier 65, North River, Foot of West 25th St., New York.

The stay of steamers at Port-au-Prince, Haiti, is of sufficient length of time to allow passengers to visit points of interest.

WEST COAST SERVICE.

In addition, a regular freight service is maintained without calls en route direct to Cristobal, Buenaventura and Ecuadorian Ports. Particulars upon application.

All vessels call at Port-au-Prince, Haiti, which is approximately 5 days from New York and 60 hours from Cristobal.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., September 29, 1926. No. 8.

Transit of S. S. "Ryndam" on College Cruise Around the World.

The Dutch steamship *Ryndam*, owned by the Holland-American Line and operated by the University Traveling Association of New York, arrived at Cristobal in the morning of September 27, on the first lap of an 8 months cruise around the world. The *Ryndam* has a passenger list of 570, including students and professors, and carries a crew of 239.

Transit of the Canal was started on the morning of September 28, the vessel arriving at Balboa at 1.30 p. m., and continuing en route to Los Angeles at 7 p. m., of the same day. The visitors were given an opportunity to make sightseeing trips at both terminals of the Canal, and remained on board the vessel during transit of the Canal.

The *Ryndam* is 550 feet long, with a beam of 62 feet, has a United States net tonnage of 7,563, Panama Canal net of 9,241, and is the first vessel on a cruise of this nature to have transited the Canal. Tolls for the southbound transit amounted to $9,452.75.

Courses of instruction are offered to the students during the cruise, under the direction of professors from various universities and colleges in the United States. The prospectus of the cruise lists 19 collegiate courses and 11 precollegiate courses. Included in this work is a course in journalism, in which is involved the publication of a daily paper, THE BINNACLE, of four pages of 11 by 14 inches.

New Buoy-Tender for Lighthouse Subdivision.

A buoy-tender, *Coco Solo No. 2*, built by the Mechanical Division of The Panama Canal, was recently turned over to the Lighthouse Subdivision for use. This vessel is 64 feet 9 inches overall, has a beam of 15 feet 6 inches and a depth of 6 feet 7 inches, with a loaded displacement of 90 tons. The tender is equipped with a 110-horsepower diesel engine, auxiliary air compressor, two gasoline engine generator sets for lighting, and has a ½-ton boom at the forward end for handling buoys and cargo.

This vessel will be used by the Lighthouse Subdivision of The Panama Canal for tending buoys in Canal Zone waters and may be used during the tourist season for taking small parties through Gaillard Cut.

Notice to Mariners—Aid to Navigation.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., *September 24, 1926.*

The candle power of Bona Island Light was increased on September 24 from 570 to 1,200. No other change.

Position of light: Latitude 8° 34′ 30″ North; Longitude 79° 35′ 30″ West.

H. BURGESS,
Acting Governor.

CANAL WORK IN AUGUST, 1926.

The following is the report of the Acting Governor to the Secretary of War, of Canal work in the month of August, 1926:

BALBOA HEIGHTS, C. Z., *September 22, 1926.*

The Honorable, the Secretary of War,

Washington, D. C.

SIR: I have the honor to submit the following report covering operations of The Panama Canal during the month of August, 1926:

NUMBER OF TRANSITS.

During the month 464 commercial vessels transited the Canal. In addition to these, 7 small nonseagoing launches, measuring under 20 tons and 26 vessels belonging to or chartered by the United States Government, transited the Canal. There was also one transit of a vessel, belonging to the Panaman Government, on which no tolls were paid, making the total transits for the month 498, or a daily average on all transits of 16.06.

Tolls on the 464 commercial vessels amounted to $2,055,041.91 and on the launches to $27.87, making the total tolls collection for the month $2,055,069.78, or a daily average on all traffic of $66,260.31. The average amount of tolls paid by each of the commercial transits was $4,428.96, as compared with $4,343.68 for the month of July.

The total number of craft of all kinds transiting the Canal during the month of August, as compared with the same month in 1925 and 1924, is shown in the following tabulations:

	August, 1926.	August, 1925.	August, 1924.
Commercial vessels	464	372	372
Noncommercial vessels (Army and Navy)	26	32	20
Launches (under 20 tons measurement)	7	13	5
Panaman Government vessels	1		
Totals	498	417	397

In addition to the vessels listed above, Panama Canal equipment consisting of dredges, tugs, barges, launches, etc., was passed through the locks as follows:

	Northbound.	Southbound.	Total.
Gatun	8	10	18
Pedro Miguel	34	52	86
Miraflores	31	37	68
Totals	73	99	172

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of commercial vessels, Panama Canal net tonnage, tolls, and tons of cargo carried by commercial vessels transiting the Canal each month, from the beginning of the calendar year 1926, to the end of August, 1926, as compared with the same months in the preceeding year:

Month.	No. vessels.		Panama Canal net tonnage.		Tons of cargo.		Tolls.	
	1925.	1926.	1925.	1926.	1925.	1926.	1925.	1926.
January	401	479	1,960,015	2,300,187	1,907,469	2,346,643	$1,832,024.35	$2,103,368.29
February	379	424	1,789,447	1,991,127	1,839,619	2,139,297	1,648,964.88	1,835,226.47
March	398	506	1,964,106	2,398,694	2,104,324	2,607,046	1,840,103.14	2,206,212.20
April	382	425	1,849,692	2,048,247	1,950,902	2,237,567	1,735,429.37	1,917,457.11
May	372	470	1,847,682	2,243,103	1,823,042	2,416,701	1,705,592.20	2,056,965.55
June	368	419	1,753,327	1,990,344	1,920,323	2,134,686	1,659,490.06	1,852,670.66
July	418	456	1,951,295	2,154,821	1,960,654	2,185,527	1,800,239.84	1,980,719.67
August	372	464	1,779,627	2,230,905	1,912,217	2,321,697	1,657,893.90	2,055,041.91
Totals	3,090	3,643	14,886,191	17,357,428	15,418,550	18,389,074	13,879,737.74	16,007,661.86

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in the direct service of the United States Government, including merchant vessels chartered by the Government, do not pay tolls. Shipping Board vessels in commercial service pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

The following is a summary of the commercial traffic for August, 1926, as compared with the corresponding month in 1925 and 1924, and the monthly average for the fiscal year 1926:

	August, 1926.	August, 1925.	August, 1924.	Average per month for fiscal year, 1926.
Number of vessels	464	372	372	433
United States net tonnage	1,752,102	1,394,284	1,508,656	1,621,069
Panama Canal net tonnage	2,230,905	1,779,627	1,901,895	2,064,549
Registered gross tonnage	2,866,120	2,265,536	2,424,470	2,639,385
Registered net tonnage	1,760,522	1,398,466	1,508,864	1,629,073
Tolls	$2,055,041.91	$1,657,893.90	$1,769,999.94	$1,910,921.33
Tons of cargo carried	2,321,697	1,912,217	1,958,479	2,169,787

The average daily number of transits, tonnage, tolls, and cargo is shown in the following statement, in comparative form, commercial vessels only:

	Average per day.			Average per day for fiscal year, 1926.
	August, 1926.	August, 1925.	August, 1924.	
Number of transits	14.96	12.00	12.00	14.24
Panama Canal net tonnage	71,294	57,407	61,351	67,875
Tolls	$66,291.67	$53,480.45	$57,096.77	$62,824.80
Tons of cargo carried	74,893	61,684	63,177	71,335

AVERAGE TONNAGE, TOLLS, AND TONS OF CARGO PER VESSEL.

The average tonnage, tolls, and cargo per vessel transiting the Canal during the month of August, 1926, as compared with August, 1925, and August, 1924, are shown in the following tabulation:

	Average per vessel.		
	August, 1926.	August, 1925.	August, 1924.
United States equivalent net tonnage	3,776	3,748	4,056
Panama Canal net tonnage	4,808	4,784	5,113
Registered gross tonnage	6,177	6,090	6,517
Registered net tonnage	3,794	3,759	3,959
Tolls	$4,428.96	$4,756.70	$4,516.86
Tons of cargo (including vessels in ballast)	5,003	5,140	5,265
Tons of cargo (laden vessels only)	6,174	5,975	6,323

TOLLS.

At present, tolls are collected at rates of $1.20 per ton for laden vessels and $0.72 for vessels in ballast, computed on the basis of The Panama Canal rules of measurement, with the provision that tolls shall not exceed $1.25 per ton nor be less than $0.75 per ton, as determined in accordance with the United States rules for the measurement of net registered tonnage. In order to ascertain the proper tolls charges, it is necessary, therefore, that the net tonnage of vessels transiting the Canal be determined both in accordance with The Panama Canal and the United States rules of measurement.

Taking the traffic through the Canal for the month of August, 1926, the following tabulation shows a comparison of tolls actually collected under the present method of assessing tolls and the tolls that would have been collected on the basis of The Panama Canal rules of measurement at the proposed rates of $1.00 laden and $0.60 ballast, with transits for the month segregated by flag:

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c. ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
Belgian	$12,613.58	$11,400.40		$1,213.18
British	522,520.66	527,281.60	$4,760.94	
Chilean	8,738.75	9,377.00	638.25	
Colombian	408.90	356.00		52.90
Danish	25,407.49	24,338.20		1,069.29
Danzig	11,054.61	9,731.80		1,322.81
Dutch	36,521.25	38,589.00	2,067.75	
French	41,302.50	41,638.00	335.50	

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c. ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
German	$69,017.63	$73,431.40	$4,413.77	.....
Honduranian	306.00	255.00	.....	$51.00
Italian	37,581.75	35,669.00	.....	1,912.75
Japanese	50,925.80	50,420.00	.....	505.80
Norwegian	51,927.99	58,865.20	6,937.21	.....
Panaman	5,701.33	5,493.20	.....	208.13
Peruvian	6,317.50	7,268.00	950.50	.....
Spanish	7,961.25	7,490.00	.....	471.25
Swedish	32,856.97	34,429.60	1,572.63	.....
United States	1,129,772.95	1,114,249.60	.....	15,523.35
Yugo-Slavic	4,105.00	4,188.00	83.00	.....
Totals	2,055,041.91	2,054,471.00	21,759.55	22,330.46

The decrease on vessels of United States registry would have been made up, with respect to channels of trade in which the vessels were engaged, as follows:

United States intercoastal trade	$12,565.41
United States foreign trade	3,048.19
United States-Canal Zone trade	[1] 90.25
Totals	15,523.35

[1] Indicates gain under proposed rates.

RATIO OF CARGO TONNAGE TO NET TONNAGE.

The ratio of cargo tonnage to net tonnage, Panama Canal measurement, of vessels transiting the Panama Canal in August, 1926, is shown in the following tabulation, segregated by nationality of vessels and direction of transit. Laden vessels only are included:

Nationality.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Belgian	.....	1.88	1.88
British	.89	1.27	1.07
Chilean	.32	.52	.42
Colombian	1.57	1.42	1.46
Danish	.....	1.56	1.56
Danzig	.....	1.91	1.91
Dutch	.47	1.26	.72
French	.48	1.44	.92
German	1.00	1.49	1.30
Italian	.47	1.66	1.22
Japanese	1.27	1.27	1.27
Norwegian	1.37	1.65	1.52
Panaman	2.06	1.45	1.80
Peruvian	.19	1.16	.54
Spanish	.03	.33	.17
Swedish	1.36	2.31	1.90
United States	1.03	1.65	1.43
Yugo-Slavic	.....	1.88	1.88
Average, August, 1926	.93	1.55	1.29
Average, August, 1925	.89	1.57	1.26
Average, August, 1924	.87	1.55	1.28

CLASSIFICATION OF VESSELS.

A further classification of vessels passing through the Canal during the month of August, 1926, is as follows:

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Tank ships:						
Laden	1	6,304	$6,646.25	60	347,588	$356,559.80
Ballast	60	360,301	259,574.34	.....	.....	.....
General cargo ships:						
Laden	99	369,744	429,558.66	156	705,883	684,837.25
Ballast	79	421,060	303,422.05	9	20,025	14,443.56
Totals	239	1,157,409	999,201.30	225	1,073,496	1,055,840.61

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Steamers	200	1,022,353	$886,682.80	195	963,612	$953,800.42
Motor ships	31	131,224	108,917.14	26	109,539	101,645.14
Motor schooners	2	144	163.65	3	316	370.05
Launches	.....	.....	.....	1	29	25.00
Tugs	2	293	126.94	.....	.....	.....
Barges	2	1,693	1,295.25	.....	.....	.....
Sailing vessels	1	1,646	1,975.20	.....	.....	.....
Houseboats	1	56	40.32	.....	.....	.....
Totals	239	1,157,409	999,201.30	225	1,073,496	1,055,840.61

Of the 395 steamers, 279 were oil burning, 114 coal burning, and 2 burned either coal or oil.

NONCOMMERCIAL TRAFFIC.

The following statement shows the tonnage and amount of cargo carried by vessels transiting the Panama Canal free of tolls during the month of August, 1926. If tolls had been assessed against these vessels at commercial rates, the amount collected would would have been approximately as indicated:

Class and nationality.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of transits.	Tonnage.	Tolls.	No. of transits.	Tonnage.	Tolls.
U. S. Naval vessels:						
Barges	.....	.....	.....	2	159	$108.00
Cargo ships	1	[2] 4,138	$4,965.60	1	[2] 4,355	5,226.00
Cruisers	2	[1] 11,700	5,850.00	4	[1] 18,064	9,032.00
Launches	2	[2] 4	2.88	.....	.....	.....
Minesweepers	1	[1] 959	475.00	1	[1] 959	475.00
Submarines	2	[1] 1,812	906.00	1	[1] 906	453.00
Tankers	1	[2] 6,424	4,625.28	.....	.....	.....
Tugs	2	[1] 2,000	1,000.00	2	[1] 2,000	1,000.00
U. S. Army vessels:						
Tugs	1	[1] 1,000	500.00	.....	.....	.....
Transports	2	[2] 9,707	11,648.40	1	[2] 5,212	6,254.40
Panaman Government vessels:						
Launches	1	[2] 2	1.44	.....	.....	.....
Totals	15	.....	29,974.60	12	.....	22,548.40

[1] Indicates displacement tonnage. [2] Indicates Panama Canal net tonnage.

The foregoing noncommercial vessels transiting the Canal during the month of August, 1926, carried cargo as follows:

	Tons.
Atlantic to Pacific	11,065
Pacific to Atlantic	3,205
Totals	14,270

The following statement shows the number of launches transiting the Canal during the month of August, 1926. These launches, although paying tolls, are excluded from statements concerning commercial traffic:

	Number.	Tonnage.	Tolls.
Atlantic to Pacific	2	3	$2.25
Pacific to Atlantic	5	29	25.62
Totals	7	32	27.87

STATEMENT OF TERMINAL OPERATIONS.

Details of the business transacted at the Atlantic and Pacific terminals of the Panama Canal during the month of August, 1926, are shown in the following tabulations:

		Cristobal.	Balboa.	Total.
Local cargo arriving	tons	41,386	33,273	74,659
Local cargo shipped	tons	4,957	420	5,377
Transit cargo arriving	tons	2,328,156	2,306,111	4,634,267
Transit cargo clearing	tons	2,329,901	2,318,011	4,647,912
Cargo received for transshipment	tons	25,397	4,172	29,569
Cargo transshipped	tons	28,773	1,698	30,471
Vessels supplied with bunker coal:				
Commercial, other than Panama Railroad		87	7	94
Coal supplied to above vessels	tons	39,333	287	39,620
Coal issued, miscellaneous:				
Panama Canal departments	tons	68	95	163
U. S. Army, excepting vessels	tons	153	....	153
Individuals and companies	tons	197	.....	197
Panama Railroad	tons	24	.....	24
Transferred to Navy	tons	373	.....	373
Total issues and sales	tons	40,148	382	40,530
Coal on hand, September 1, 1926	tons	48,038	16	48,054
Coal on hand, August 1, 1926	tons	37,769	25	37,794
Coal received during the month	tons	50,417		50,417
Coal received from Navy	tons	.....	373	373
Fuel oil issued from Panama Canal tanks:				
Panama Canal departments	bbls	5,413.35	18,410.89	23,824.24
Panama Railroad Company	bbls	824.47	.....	824.47
Army and Navy	bbls	603.70	115.79	719.49
Individuals and companies	bbls	.....	325.10	325.10
Total issues and sales	bbls	6,841.52	18,851.78	25,693.30
Fuel oil received during August	bbls	.....	67,185.03	67,185.03
Fuel oil on hand, September 1, 1926	bbls	73,629.32	79,241.20	152,870.52
Diesel oil sold during August, 1926	bbls	108.89	7.86	116.75
Diesel oil on hand, September 1, 1926	bbls	31,095.17	446.62	31,541.79
Miscellaneous transfers	bbls	4,515.50	751.91	5,267.41
Gasoline and kerosene pumped for The Panama Canal	bbls	4,281.68	1,855.66	6,137.34
Gasoline pumped for individuals and companies	bbls	.....	3,320.24	3,320.24
Oil pumped for individuals and companies	bbls	458,059.66	351,437.57	809,497.23
Total fuel oil, gasoline, and kerosene handled	bbls	473,807.25	443,410.05	917,217.30
Admeasurement of vessels:				
U. S. equivalent certificates issued		14	4	18
Measured for Panama Canal net tonnage		3	2	5
Remeasured for Panama Canal net tonnage		13	1	14
Panama Canal net tonnage corrected		1	.....	1
U. S. equivalent tonnage corrected		5	4	9
Services to harbor equipment:				
Tugs, total operating hours		512¼	417¾	930
Launches, total operating hours		1,433	1,468½	2,901½
Revenue from tug service, pilotage, etc.:				
Tug revenue		$15,696.25	$14,145.00	$29,841.25
Pilotage		18,374.00	7,148.00	25,522.00
Seamen		11,052.00	10,528.00	21,580.00
Launch service		2,124.00	3,102.50	5,226.50
Wharfage		12,748.20	4,177.47	16,925.67
Ships measured		85.00	10.00	95.00
Miscellaneous cash collections		256.50	150.00	406.50
Ships repaired at Panama Canal shops:				
Commercial		37	14	51
U. S. Army and Navy		12	7	19
Panama Canal equipment		19	15	34
Vessels drydocked:				
Commercial		2	2	4
U. S. Army and Navy		5	3	8
Panama Canal equipment			5	5
Clearances issued		265	248	513
Bills of health issued		271	248	519

ALL VESSELS ENTERING AND CLEARING PORT.

	Port of Cristobal.			Port of Balboa.		
	No. of ships.	Registered gross tonnage.	Registered net tonnage.	No. of ships.	Registered gross tonnage.	Registered net tonnage.
Ships entering.						
All vessels, including those transiting Canal	532	3,248,849	1,995,379	482	2,957,359	1,824,588
Vessels entering port but not transiting Canal	71	328,873	198,404	5	7,455	4,745
Vessels transiting Canal and handling passengers and cargo at terminal ports	95	580,522	362,629	65	385,815	237,280
Ships clearing.						
All vessels, including those transiting Canal	531	3,257,216	2,002,026	484	2,965,916	1,832,947
Vessels entering port but not transiting Canal	72	334,881	202,215	5	4,445	2,680
Vessels transiting Canal and handling passengers and cargo at terminal ports	93	578,313	361,473	63	365,860	225,090

MOVEMENT OF PASSENGERS.

	At Cristobal.			At Balboa.		
	First-class.	Others.	Total.	First-class.	Others.	Total.
Disembarking:						
From Atlantic ports	1,393	696	2,089	62	200	262
From Pacific ports	109	35	144	178	121	299
Total disembarking	1,502	731	2,233	240	321	561
Embarking:						
For Atlantic ports	1,569	772	2,341	76	178	254
For Pacific ports	127	72	199	145	166	311
Total embarking	1,696	844	2,540	221	344	565
Remaining on board:						
From Atlantic to Pacific ports	992	3,193	4,185	986	2,831	3,817
From Pacific to Atlantic ports	887	1,386	2,273	1,123	1,578	2,701
From Atlantic to Atlantic ports	779	121	891	.....	.....	.....
From Pacific to Pacific ports	.....	.....	.....	.....	.....	.....
Total arriving	4,151	5,431	9,582	2,349	4,730	7,079
Total departing	4,345	5,544	9,889	2,330	4,753	7,083

PASSENGER-CARRYING VESSELS THROUGH CANAL.

	Total commercial vessels.	Passenger-carrying vessels.	Per cent of total transits.
From Atlantic to Pacific	239	33	13.8
From Pacific to Atlantic	225	36	16.0
Totals	464	69	14.8

In addition to the above, 65 passenger-carrying vessels called at the port of Cristobal without transiting the Canal, making a total of 134 passenger-carrying vessels calling at Canal Zone ports during the month.

COMMISSARY SALES TO VESSELS.

Following is a statement of commissary sales to vessels during the month of August, 1926:

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Cristobal to:						
Government vessels	$124.34	$1,867.44	$12,559.65	$62.50	$777.74	$15,391.67
Panama Railroad vessels	9.45	.....	706.59	579.14	272.56	1,567.74
Commercial vessels	2,332.06	11,482.49	22,902.89	172.75	4,403.17	41,293.36
Total sales, August, 1926	2,465.85	13,349.93	36,169.13	814.39	5,453.47	58,252.77
Total sales, August, 1925	2,447.08	9,157.73	23,217.69	1,187.41	4,364.09	40,412.47
Total sales, August, 1924	2,163.05	8,008.96	20,893.80	920.79	2,398.79	34,385.39

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Balboa to:						
Government vessels	$581.95	$3,387.67	$14,625.59	$68.55	$1,347.09	$20,010.85
Commercial vessels	734.62	10,249.40	10,194.34	433.14	3,252.37	24,863.87
Total sales, August, 1926	1,316.57	13,637.07	24,819.93	501.69	4,599.46	44,874.72
Total sales, August, 1925	1,319.89	13,567.17	18,785.61	185.28	1,943.74	35,801.69
Total sales, August, 1924	1,871.34	3,915.86	21,786.11	307.56	7,035.65	34,916.52

The aggregate sales to Government vessels during the month were $35,402.52; to Panama Railroad vessels, $1,567.74; and to other commercial vessels, $66,157.23; making the total sales to all vessels, $103,127.49.

LOCK OPERATIONS.

The following tabulation shows the number of lockages and the number of vessels passing through the locks during the month of August, 1926, as compared with the corresponding month in 1925 and 1924, together with the consumption of water for lockages, maintenance, etc., in August, 1926, as compared with the preceding month and the corresponding month in 1925:

Locks.	Number of lockages.						Comparative grand totals.		
	Commercial.			Non-commercial.					
	North.	South.	Total.	North.	South.	Total.	Aug., 1926.	Aug., 1925.	Aug., 1924.
Gatun	220	223	443	9	5	14	457	373	375
Pedro Miguel	218	233	451	17	23	40	491	396	398
Miraflores	218	227	445	14	19	33	478	390	390
	Number of vessels put through locks.								
Gatun	234	243	477	23	23	46	523	452	430
Pedro Miguel	226	236	462	48	65	113	575	465	440
Miraflores	226	235	461	45	50	95	556	464	429

CLASSIFICATION OF NON-COMMERCIAL VESSELS.

	Gatun.	Pedro Miguel.	Miraflores.
Army and Navy vessels	28	27	27
Panama Canal equipment	16	86	68
Panaman Government vessels	2	.....	.....

The total consumption of water for lockages, maintenance and loss in leakage was as follows:

	Gatun.	Pedro Miguel.	Miraflores.
	Cubic feet.	*Cubic feet.*	*Cubic feet.*
Lockages	1,805,500,000	1,529,540,000	1,491,440,000
Maintenance			1,720,000
Leakage	30,000,000	9,000,000	20,000,000
Totals, August, 1926	1,835,500,000	1,538,540,000	1,513,160,000
Totals, July, 1926	1,700,930,000	1,453,060,000	1,455,140,000
Totals, August, 1925	1,492,130,000	1,237,730,000	1,246,790,000

METEOROLOGY AND HYDROGRAPHY.

In the following tabulation the meteorological and hydrographic conditions over the Canal Zone and vicinity during the month of August, 1926, are shown in comparative form:

Rainfall for month.	August.		August—Years of record.		
	1925.	1926.	Maximum.	Minimum.	Mean.
	Inches.	*Inches.*	*Inches.*	*Inches.*	*Inches.*
Pacific section	10.45	8.59	13.73	3.92	8.44
Central section	13.50	9.42	15.31	8.22	11.16
Atlantic section	20.08	9.86	22.30	6.91	16.00
Maximum recorded on any one day	6.04	3.51	[1] 8.82	.....	.....
Gatun Lake watershed	15.04	9.16	18.61	8.88	12.01
Chagres River watershed above Alhajuela	21.02	10.94	22.20	7.62	15.46
Maximum recorded for month at any one point	25.46	15.32	38.31	.....	.....
Minimum recorded for month at any one point	7.40	3.91	.....	1.14	.....
Hydrography.	*C.f.s.*	*C.f.s.*	*C.f.s.*	*C.f.s.*	*C.f.s.*
Discharge of Chagres River at Alhajuela	2,953	2,442	4,724	1,579	2,987
Maximum momentary discharge for the month	25,400	21,450	[2] 36,100	.....	.....
Gatun Lake watershed, total yield	9,515	6,532	11,656	4,956	7,718
Gatun Lake watershed, net yield	9,010	5,983	11,089	4,437	7,236
Draft on Gatun Lake for lockages and power	2,728	2,473	2,728	[3] 1,390	[3] 2,141

[1] 12.25 represents the maximum 24-hour rainfall recorded on the Canal Zone and vicinity since American occupation recorded at Gatun on October 23 and 24, 1923. (NOTE.—Extreme outlying stations in the Republic of Panama not includes in this report.) [2] August 21, 1911. [3] Not including August, 1914.

SEISMOLOGY.

No seismic tremors were recorded during the month.

ELECTRICAL DIVISION.

In addition to the usual operating and maintenance work performed by this division, electrical installation and repair work was made on 27 vessels during the month. There were 346 work orders issued during August, as compared with 338 work orders issued during the month of July, 1926.

MECHANICAL DIVISION.

During the month miscellaneous repairs were made on 68 vessels at Cristobal and 36 at Balboa. The annual overhaul of the U. S. submarine *O–4*, U. S. Army mine-planter *Graham* and the motor ship *Morgan Lewis* was completed during the month. Work on the U. S. submarine *O–9* and the tug *Gaither* was started.

MUNICIPAL ENGINEERING DIVISION.

The usual maintenance work on roads, streets and walks, and to the water and sewer systems was performed during the month.

The amount of water pumped during the month totaled 629,330,000 gallons.

DREDGING DIVISION.

West Culebra slide showed a movement of 0.4 feet toward the Canal during the month.

West Lirio slide continued to show a movement toward the Canal during the first part of the month, the material pushing out beyond the west prism line. The dipper dredge *Paraiso* removed 71,450 cubic yards of material, from the 1st to 20th of the month, clearing the channel fronting this area to full depth and width.

No other slide movements occurred during the month and there was no interference with Canal traffic.

The total excavation during the month was 498,780 cubic yards, as follows:

Cubic yards.	Classified as—		Character of work.	Station.	Equipment.
	Earth.	Rock.			
133,200	133,200	.....	Maintenance	Gatun Lake	*No. 83.*
9,000	1,800	7,200	Maintenance	Gatun Lake	*Paraiso.*
21,700	4,350	17,350	Maintenance	Gaillard Cut	*Paraiso.*
71,450	14,250	57,200	Maintenance	Gaillard Cut, West Lirio slide	*Paraiso.*
6,200	1,600	4,600	Maintenance	Pacific entrance, Project No. 1	*Cascadas.*
5,100	4,100	1,000	Maintenance	Pacific entrance, maintenance	*Cascadas.*
39,500	7,850	31,650	Maintenance	Pacific entrance, Project No. 1	*Gamboa.*
14,050	12,650	1,400	Maintenance	Pacific entrance, maintenance	*Gamboa.*
146,200	125,200	21,000	Maintenance	Pacific entrance, Project No. 1	*No. 86.*
50,350	50,350	.....	Maintenance	Pacific entrance, maintenance	*No. 86.*
2,030	2,030	.....	Auxiliary	Dredging sand at Chame	*La Valley.*

OCCUPANTS OF QUARTERS.

The number of persons, including men, women and children, occupying Panama Canal and Panama Railroad quarters on August 31, 1926, totaled 20,330, of whom 6,961 were Americans, 194 Europeans, and 13,175 West Indians. The total number of persons in quarters on August 31, 1925, was 20,087.

WORKING FORCE.

The following tabulation shows the number of gold and silver employees as of August 18, 1926, together with a comparison of the working force for the preceding month, and for August, 1925:

	As of August 18, 1926.			Total employees.	
	Gold.	Silver.	Total.	July, 1926.	August, 1925.
Operation and Maintenance:					
Office	37	34	71	72	66
Electrical	151	186	337	317	364
Municipal Engineering	79	575	654	663	830
Lock Operation	217	634	851	838	798
Dredging	177	853	1,030	1,038	953
Mechanical	418	782	1,200	1,199	1,256
Marine	191	597	788	809	681
Fortifications	12	103	115	132	328
Totals	1,282	3,764	5,046	5,068	5,276
Supply Department:					
Quartermaster	186	1,508	1,694	1,719	1,295
Subsistence	8	93	101	104	104
Commissary	204	984	1,188	1,196	1,112
Cattle Industry	7	262	269	295	303
Hotel Washington	9	86	95	96	91
Transportation	50	201	251	250	221
Totals	464	3,134	3,598	3,660	3,126
Accounting Department	201	8	209	211	204
Health Department	234	762	996	998	930
Executive Department	491	233	724	727	709
Totals	926	1,003	1,929	1,936	1,843
Panama Railroad:					
Superintendent	46	201	247	265	230
Transportation	64	114	178	179	179
Receiving and Forwarding Agent	84	1,031	1,115	1,030	935
Coaling stations	49	298	347	327	347
Totals	243	1,644	1,887	1,801	1,691
Grand totals, August, 1926	2,915	9,545	12,460		.....
Grand totals, July, 1926	2,895	9,570		12,465	...
Grand totals, August, 1925	2,844	9,092			11,936

VITAL STATISTICS.

A total of 219 deaths occurred during the month of August, 1926, among the population of the Canal Zone, and the cities of Panama and Colon, which is equivalent to an annual death rate of 20.55 per thousand. The leading causes of death were: pneumonia (broncho and lobar), 34; tuberculosis (various organs), 32; diarrhea and enteritis, 29; nephritis (acute and chronic), 21; and organic diseases of the heart, 14. There were 8 deaths from apoplexy, 7 from cancer, 4 from malaria, 1 from diphtheria and 1 from leprosy. There were 20 deaths among nonresidents of the Isthmus; these are not included in the above statistics.

There were 305 live births reported during the month, and 16 stillbirths. Including stillbirths, this is equivalent to an annual birth rate of 30.12 per 1,000 population. Deaths among children under 1 year of age numbered 55, giving an infant mortality of 180.33 per 1,000 live births.

The total number of malaria cases reported from the Zone and the cities of Panama and Colon during August was 172, of whom 27 were employees (3 white and 24 colored), 21 were members of employees' families (2 white and 19 colored), 39 were other civilian nonemployees, and 85 were Army and Navy personnel. Eight of the 48 employees and members of their families were probably infected outside of our sanitated areas; as they gave a history of working, living or having been in such areas at night previous to their becoming sick.

RECEIPTS AND SALES OF MATERIALS AND SUPPLIES.

The value of material ordered on United States requisitions and received on the Isthmus during the month totaled $174,522.73, of which $150,680.70 was for the Department of Operation and Maintenance and $23,842.03 for other Panama Canal departments.

Cash sales on the Isthmus from stock, fuel oil, scrap and obsolete and second-hand material amounted to $42,988.01.

FINANCIAL STATEMENT.

The following statement shows in a condensed form the aggregate revenues and expenditures during the fiscal year to the beginning of the month of August; that is, to July 31, inclusive. It is impossible to submit the figures for August at the time of writing this report, since all of the bills, charges, etc., involved in the accounting have not been completed.

As July is the first month in the fiscal year, the tabulation below covers only that month, and, at the same time, shows the status in the fiscal year; in subsequent reports there will be included, in addition to the figures for the month reported, an adjoining table covering the fiscal year to date:

	July, 1926.	July, 1925.
Tolls	$1,980,752.07	$1,799,277.16
Other receipts	274,598.03	238,995.49
Total transit revenues	2,255,350.10	2,038,272.65
Total transit expenses	958,997.70	854,124.33
Net transit revenues	1,296,352.40	1,184,148.32
Three per cent capital charge	610,376.76	611,562.15
Transit surplus	685,975.64	572,586.17
Business revenues	996,031.27	1,097,340.18
Business expenses	922,027.45	1,046,855.61
Net business revenues	74,003.82	50,484.57
Three per cent capital charge	55,861.45	53,139.24
Business surplus	18,142.37	2,654.67
Combined revenues	2,993,122.82	2,911,650.43
Combined expenses	1,622,766.60	1,677,017.54
Combined net revenues	1,370,356.22	1,234,632.89
Three per cent capital charge	666,238.21	664,701.39
Combined surplus	704,118.01	569,931.50

Respectfully,

H. BURGESS,
Acting Governor.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending September 25, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons	*Tons.*
Vega	U. S. Government	September 20	September 21	20	.....
Tatsuno Maru	Nippon Yusen Kaisha	September 20	September 21	80	.....
St. Mihiel	U. S. Government	September 20	September 22	670	372
Nora	Grace Line	September 21	September 22	13,722	.....
Duchessa D'Aosta	Nav. Libera-Triestina	September 22	September 24	622	11
Ecuador	Panama Mail S. S. Co	September 22	September 23	250	.....
Hanna Skogland	T. H. Skogland	September 23	September 24	143	.....
City of San Francisco	Panama Mail S. S. Co	September 24	September 24	77	.....
President Harrison	Dollar Line	September 24	September 24	.....	3

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, September 25, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Emitaw	18	16 05	19	6 10	19	13 53	19	19 45	British	N. Z. Shipping Co	331 0	47.9	20.0	Montreal, Canada	Brisbane, Australia	General	4,400	4,369	2,967
Tresillian	18	21 12	19	6 23	19	13 38	19	14 59	British	Foster, Hain & Read	400.0	53.0	23.0	New York, N. Y	Dunedin, N. Z	General	3,640	6,193	4,465
Agwibay [1]	18	23 45	19	7 25	19	14 28	19	15 31	American	Inter. Shipping Corp.	468.7	62 7	19.3	New York, N. Y	Los Angeles, Calif	Ballast	.....	9,776	6,903
Hegira	19	4 45	19	7 35	19	14 54	19	15 59	American	Hegira S. S. Co	457.0	56.0	18.0	Baltimore, Md	Gray's Har., Wash	Ballast	.....	8,342	6,108
Nitokris	18	20 34	20	6 10	20	16 05	20	17 50	German	Kosmos Line	410.0	50 0	24.0	Antwerp, Belgium	Valparaiso, Chile	General	4,312	6,652	4,704
Easterner	19	18 00	20	7 10	20	16 24	20	17 20	American	Roosevelt S S. Co	385.0	51.0	20 4	New York, N. Y	Sydney, N. S. W	Case oil, general.	2,488	5,945	4,561
Orinoco	20	8 50	20	9 00	20	17 07	20	18 22	American	Oriental Navigation Co.	377 0	52 0	16 0	Philadelphia, Pa	Portland, Oreg	General	2,290	5,455	3,902
Denver [2]	19	19 35	20	11 40	20	19 15	22	20 00	American	U. S. Navy	392.0	44 0	17.6	Bluefields, Nic'gua	Balboa, C. Z	Ballast			
Actor	19	15 35	20	13 00	20	19.55	21	00 35	British	T. & J. Harrison	410 0	52 6	18 0	Liverpool, England	Vancouver, B. C.	General	250	6,666	4,707
Ramapo [1]	19	8 40	21	6 05	21	13 42	21	15 00	American	U. S. Navy	461.6	60 0	21 6	Guantanamo, Cuba	Los Angeles, Calif	Ballast			
Chiman [3]	18	22 10	21	6 10	21	15 03	22	1 28	Panaman	National Nav. Co.	116.0	21 0	10.0	Cristobal, C. Z	Buenaventura, Col.	General	301	211	124
J. M. Danziger [1]	20	18 20	21	7 20	21	15 06	21	16 05	American	Huasteca Petroleum Co.	439.0	58 2	20 5	Boston, Mass	Los Angeles, Calif	Ballast		6,963	4,886
Gothiéstar	21	7 45	21	8 25	21	16 45	22	4 05	British	Blue Star Line	420 5	54.7	17 0	Liverpool, England	Vancouver, B. C.	Ballast		7,521	5,852
Tirso	20	6 42	21	12 24	21	19 22	21	20 04	Italian	Italian Line	400 3	52.3	19 0	Genoa, Italy	Valparaiso, Chile	General	1,572	5,870	4,188
Minnesotan	21	14 50	22	6 10	22	13 05	22	14 00	American	Amer.-Hawaiian Line	497.0	53 7	21.0	Boston, Mass	Los Angeles, Calif	General	4,390	7,150	4,899
San Rosendo [1]	22	2 20	22	6 30	22	14 20	22	18 10	British	Anglo-Mexican Pet. Co.	407 0	52 0	18.3	Grainton, Eng	Los Angeles, Calif	Ballast		6,237	4,353
L. A. Christensen [1]	22	6 15	22	7 25	22	15 10	22	16 30	Norwegian	So. Alberta Lumber Co.	382 7	53 3	24.9	Nuevitas, Cuba	Shanghai, China	Sugar	6,923	6,118	4,245
Chilore	22	7 40	22	7 55	22	16 10	23	00 15	American	Ore S. S. Corp	550 0	72 0	19.0	New York, N. Y	Cruz Grande, Chile	Ballast		14,538	9,348
Radix [1]	22	8 55	22	9 25	22	17 02	22	23 13	British	Anglo-Saxon Pet. Co	412 0	56 0	19.6	London, England	Los Angeles, Calif	Ballast		7,428	5,277
Hollywood	22	9 15	22	9 40	22	17 15	22	21 36	American	C.R. McCormack & Co.	410 0	54.0	23.0	Bahia Blanca, Brazil	San Francisco, Cal	General	5,799	6,583	4,932
Eemdijk	21	23 15	22	10 20	22	17 45	22	18 30	Dutch	Holland-American Line	469 7	58 3	18.2	Rotterdam, Holl	Vancouver, B. C.	General	2,337	8,514	6,066
Bordeaux Maru	22	9 32	22	10 30	22	18 39	22	19 35	Japanese	Kawasaki Dockyard Co.	405.0	53 0	21.0	New York, N. Y	Shanghai, China	General	3,456	7,032	5,128
Horace Luckenbach	22	9 08	22	11 33	22	19 55	22	20 58	American	Luckenbach Line	445.0	58 0	23.3	Boston, Mass	Portland, Oreg	General	5,789	8,699	6,363
Duchessa D'Aosta	21	17 23	22	11 50	22	20 47	24	2 57	Italian	Nav. Libera-Triestina	450 0	57 0	23.10	Venice, Italy	Vancouver, B. C.	General	3,812	8,011	5,552
Tiger	2	9 43	22	12 45	22	21 35	23	1 40	American	Williams S. S. Line	410 0	56 0	23 0	Baltimore, Md	Tacoma, Wash	General	5,986	8,243	6,312
Cricamola [1]	22	5 15	22	10 00	22	16 55	22	17 15	Panaman	United Fruit Co	105 0	14 0	6 0	Bocas, R.P.	Balboa, C. Z	Ballast	.....	92	57
Nord [5]			22		22	11 35			American	H. J. Quigley				Cristobal, C. Z	Gatun, C. Z	Ballast		10	10
Santa Teresa	22	20 37	23	6 20	23	13 25	23	16 45	American	Grace Line	360 2	51 6	23 8	New York, N. Y	Talcahuano, Chile	General	2,437	5,726	4,086
S-46 [6]			23	6 10	23	14 24			American	U. S. Navy	225 0	28 0		Cristobal, C. Z	Balboa, C. Z	Ballast			
S-47 [6]			23	6 10	23	14 24			American	U. S. Navy	225.0	28 0		Cristobal, C. Z	Balboa, C. Z	Ballast			
Hanna Skogland	22	16 55	23	6 30	23	15 00	24	17 35	Norwegian	T. H. Skogland & Sons.	404.5	49 2	26.0	Linhamn, Sweden	Buenaventura, Col.	Cement, general.	6,300	5,871	3,990
Smaland [1]	20	19 10	23	6 50	23	17 28	24	2 57	Swedish	Colombian Transp. Co.	184.5	30.11	12.6	Cristobal, C. Z	Tumaco, Colombia	General	1,240	854	483
Bidwell [3] [1]	22	21 08	23	7 35	23	15 21	23	19 20	American	Sun Oil Co	431 0	59 0	19.0	Boston, Mass	Los Angeles, Calif	Ballast		7,825	4,840
Chileop	22	22 50	23	7 38	23	16 07	23	23 57	British	Chile Steamship Co	410 0	54 0	20.11	New York, N. Y	Antofagasta, Chile	General	5,898	6,634	5,008
Balboa [3]	23	2 40	23	8 37	23	17 00	24	3 22	Swedish	Johnson Line	426 9	56 2	25.0	Hallstavik, Sweden	San Francisco, Cal.	(7)		7,112	7,480	5,533

[1] Tanker. [2] Cruiser. [3] Motor ship. [4] Motor schooner. [5] Launch. [6] Submarine. [7] Paper, iron, cement, and general.

Maple Branch..	23	6.15	23	8.35	23	17.35	23	19.54	British.....	Nautilus S. S. Co.....	400.0	52.0	17.10	Liverpool, England	Corral, Chile.....	General.....	3,193	5,618	4,116
Finland.....	23	8.42	23	9.45	23	16.33	24	00.56	American...	Panama-Pacific Line...	560.0	60.0	23.9	New York, N. Y..	San Francisco, Cal.	General.....	2,097	13,559	9,016
Erriba.....	19	19.08	23	12.04	23	19.40	24	21.02	British.....	N. Z. Shipping Co.....	331.0	47.9	24.8	Montreal, Canada.	Auckland, N. Z....	General.....	5,590	4,369	2,934
Cid.....	22	14.15	23	13.00	23	20.28	23	21.30	British.....	Pacific Steam Nav. Co.	264.8	41.2	20.6	New York, N. Y..	Pimental, Peru....	General.....	2,128	2,746	1,626
Swiftwind [1]....	23	5.50	24	6.10	24	13.42	24	14.50	American...	C. D. Mallory & Co...	464.0	60.0	25.0	Fall River, Mass...	Los Angeles, Calif.	Ballast.....	.....	8,473	5,997
Trimountain [2]..	23	14.57	24	6.10	24	15.30	24	16.59	American...	McAllister Brothers....	416.9	56.2	26.3	Amsterdam, Holl..	Portland, Oreg....	Creosote.....	8,376	6,728	4,734
President Harrison.....	24	6.50	24	7.35	24	14.33	25	00.24	American...	Dollar Line.....	502.0	62.0	25.0	New York, N. Y..	San Francisco, Cal.	General.....	3,850	12,031	8,495
Delaware [2].....	23	17.50	24	8.05	24	16.12	24	17.35	British.....	Anglo-American Oil Co.	345.0	44.3	21.0	Manchester, Eng..	Richmond, Calif...	Ballast.....	.....	3,968	2,512
Hagood [1].....	24	9.20	24	9.45	24	16.34	24	19.25	American...	Cities Service Trans.Co.	435.6	56.2	21.0	New York, N. Y..	Los Angeles, Calif.	Ballast.....	.....	7,426	5,094
Emilie L. D....	23	23.25	24	11.05	24	18.05	24	20.04	French.....	Louis Dreyfus & Co. ..	499.0	52.0	24.8	Antwerp, Belgium	San Francisco, Cal.	General.....	6,519	5,706	4,000
Annie Johnson [3]	24	5.55	24	11.20	24	17.28	24	21.02	Swedish....	Johnson Line.....	392.0	52.6	18.7	Gothenburg, Swed	San Francisco, Cal.	General.....	1,947	6,650	4,919
Iowa.....	24	1.45	24	12.06	24	19.32	24	20.20	French.....	French Line.....	448.9	53.3	17.4	Havre, France..	Vancouver, B. C..	General.....	521	7,469	5,020
Baron Jedburgh.....	24	10.48	24	13.05	24	21.34	24	22.25	British....	H. Hogarth & Sons....	410.0	54.0	24.10	Guayabal, Cuba..	Auckland, N. Z.	Sugar.....	7,450	6,014	5,404
Javanese Prince [3]....	24	12.55	24	13.25	24	20.42	24	21.33	British.....	Prince Line, Ltd.....	441.1	60.3	22.0	New York, N. Y..	Hongkong, China	General.....	4,181	9,249	6,145
Kellerwald [3]...	24	15.33	25	6.15	25	14.57	27	18.29	German....	Hamburg-Amer. Line..	399.0	54.0	22.0	Hamburg,Germany	San Antonio, Chile.	General.....	3,300	6,545	4,483
Montauk.....	24	16.18	25	6.19	25	13.36	25	14.50	American...	Dollar Line.....	419.5	56.5	19.4	New York, N. Y..	Seattle, Wash....	General.....	3,800	8,696	6,316
Alatga [4].....	1	7.00	25	6.15	25	21.10	25	22.55	Norwegian..	Hyenes.....	143.9	31.4	10.0	Tonsberg, Norway.	Gallapazos Is., Ec.	General.....	159	473	358
Justin.....	24	23.15	25	7.22	25	15.28	25	17.00	German....	Roland Line.....	450.0	58.2	23.6	Hamburg,Germany	Vancouver, B. C.	General.....	4,801	7,933	5,799
Pennsylvanian.	25	00.05	25	7.39	25	14.23	25	15.15	American...	Amer.-Hawaiian Line..	497.7	53.7	19.10	New York, N. Y..	Portland, Oreg....	General.....	3,327	7,107	4,989
Hadnot [1].....	25	6.00	25	8.20	25	16.15	25	19.39	American...	Cities Service Trans.Co.	416.9	56.2	19.0	New York, N. Y.	Los Angeles, Calif	Ballast.....	.....	6,706	4,639
Munwood.....	24	18.50	25	9.50	25	16.57	25	18.00	American...	Munson S. S. Line....	345.0	48.0	22.4	New York, N. Y	Portland, Oreg....	General.....	3,286	3,794	2,486
Smaragd.....	24	17.00	25	10.40	25	20.05	25	20.05	Norwegian..	United Fruit Co.....	225.0	33.0	14.0	Pto. Barrios, Guat.	Gatun, C. Z. [9]	Bananas.....	265	1,179	661
Tamaroa.....	25	8.17	25	10.45	25	17.41	26	7.26	British.....	Shaw, Savill & Albion.	509.4	63.0	28.0	London, England.	Wellington, N. Z.	General.....	2,550	.....	.....
Sciota [8].....	25	7.45	25	8.45	25	16.52	....	.....	American...	U. S. Navy.....	149.3	30.0	.....	Nicaragua.....	Balboa, C. Z....	([10])	.....	.....	.....

[1] Tanker. [8] Tug. [9] And return to Mobile, Ala. [10] Towing barge *No. 2*.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Clan MacWilliam.....	19	4.20	19	6.57	19	14.35	20	00.30	British.....	Clan Line Steamers...	421.7	55.9	26.0	New Caledonia..	London, England	General....	8,818	7,838	5,895
Montanan.....	19	6.45	19	8.09	19	15.18	19	15.18	American...	Amer.-Hawaiian Line.	404.5	54.0	27.0	Portland, Oreg....	Boston, Mass....	General.....	7,300	6,756	4,775
Lebore.....	19	23.00	20	6.24	20	16.15	20	16.15	American...	Ore S. S. Corp.....	519.65	72.25	34.0	Cruz Grande, Chile	Baltimore, Md....	Iron ore.....	29,000	14,325	4,635
Persephone [3] [1]	20	4.45	20	7.22	20	17.20	20	17.20	Danzig.....	Deutsch Amer. Pet. Co.	400.0	63.0	27.5	Los Angeles, Calif	Hamburg,Germany	Benzine.....	11,166	9,336	6,338
Athenic.....	19	23.33	20	8.06	20	17.00	21	5.50	British.....	Shaw, Savill & Albion.	500.3	63.3	24.0	Auckland, N. Z....	London, England	Refrigerated,gen.	3,600	12,896	9,571
Cerro Azul.....	20	00.05	20	8.48	20	17.40	20	17.40	American...	Huasteca Petroleum Co.	489.5	66.0	28.0	Port San Luis, Cal.	New York, N. Y.	Fuel oil.....	12,470	9,398	6,453
Gargoyle [1].....	20	6.48	20	9.24	20	18.30	20	18.30	American...	Vacuum Oil Co.....	425.0	57.2	27.06	San Francisco, Cal.	Paulsboro, N. J..	Lubricating oil..	10,042	7,510	4,989
Garfield.....	20	6.57	20	9.44	20	19.10	21	00.13	American...	Grace Line.....	299.4	45.0	14.0	Guayaquil, Ecuador	New Orleans, La.	General.....	269	3,256	2,010
Smaland [1].....	20	7.30	20	9.52	20	19.19	23	6.50	Swedish....	Colombian Transp. Co.	184.5	30.8	14.0	Buenaventura, Col.	Cristobal, C. Z..	Ballast.....	.....	854	483
Ebro.....	20	3.45	20	10.26	20	19.59	20	23.45	British.....	Pacific Steam Nav. Co	449.45	57.86	25.5	Talcahuano, Chile	New York, N. Y.	General.....	3,028	9,291	6,301
Strudsholm....	19	12.15	20	10.43	20	21.00	21	12.30	Norwegian..	Trygve Matland.....	228.1	33.1	10.0	Antofagasta, Chile.	Belize, Honduras..	Ballast.....	.....	1,309	732
Skegness.....	20	10.45	20	11.45	20	21.15	21	00.50	British....	Sir. W. R. Smith & Son	400.0	54.4	25.0	Portland, Oreg....	United Kingdom..	Wheat.....	7,603	6,621	4,916
Honduras.....	20	11.00	20	12.11	20	22.20	21	21.05	French....	French Line.....	389.9	51.3	25.0	Talcahuano, Chile	Havre, France....	General.....	5,323	6,020	4,312
Fernmoor.....	20	11.00	20	13.07	20	23.40	21	1.25	British.....	Moor Line, Ltd.....	399.9	52.9	26.2	Seattle, Wash.....	St. Thomas [13].	Wheat.....	8,300	5,959	4,246
Vega [11].....	20	8.30	21	6.45	21	13.10	23	6.00	American...	U. S. Navy.....	401.0	54.82	18.0	Puget Sound, Wash	Boston, Mass....	General.....	701	.....	.....
Henry S. Groove.....	20	17.30	21	7.05	21	14.50	21	14.50	American...	Nautilus S. S. Co....	494.6	53.95	29.0	Seattle, Wash....	Baltimore, Md....	Lumber, general.	6,886	6,755	4,688
Tatsuno Maru.	20	13.55	21	8.25	21	15.45	21	15.45	Japanese....	Nippon Yusen Kaisha.	445.0	58.0	26.2	Manila, P. I.....	Boston, Mass.....	General.....	7,035	8,015	5,716
Rhea [3] [12].....	12	16.19	21	8.47	21	16.45	21	17.35	Dutch.....	Royal Neth. W. I. Mail.	264.5	39.2	12.0	Balboa, C. Z.....	Kingston, Jamaica.	Ballast.....	.....	.....	.....

[1] Tanker. [11] Supply ship. [12] To Balboa for drydocking only. [13] For orders.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Mazorca [1] [2]	8	27 15	45	21	9	12	21	19	20	26	13	15	Peruvian	Cia Ballenero del Peru	292 5	37 2	20 5	Balboa, C. Z	Glasgow, Scotland	Whale oil	2,442	2,550	1,696
J. L. Luckenbach	9	21 1	14	21	9	14	21	16	30	21	16	45	American	Luckenbach Line	448 9	60 3	31 0	Portland, Oreg	Boston, Mass	General, lumber	10,200	9,294	6,861
Apurimac	21	3 00		21	10	00	21	17	55	23	18	58	Peruvian	Peruvian Line	362 0	48 2	19 6	Callao, Peru	New York, N. Y.	General	4,242	4,867	3,544
Tongariro	21	2 49		21	10	21	21	18	05	21	18	05	British	N. Z. Shipping Co	460 5	62 75	23 6	Bluff, N. Z.	London, England	Frozen, general.	5,165	10,817	7,585
Poseidon	21	7 20		21	10	39	21	19	20	21	19	30	German	Hamburg-Amer. Line	450 7	57 20	18 0	Talcahuano, Chile	Hamburg, Germany	General	1,350	7,684	5,234
Ontariolite [3] [4]	21	11 00		21	14	35	21	22	27	22	00	25	British	Imperial Oil Co., Ltd.	470 0	63 0	28 0	Talara, Peru	Montreal, Quebec.	Crude oil	13,000	9,191	6,651
Artemisia	21	21 00		22	7	13	22	16	26	22	17	45	British	H. M. Thomson	452 0	52 0	26 0	San Francisco, Cal	Avonmouth, Eng	Barley in sacks.	8,306	7,828	5,723
Eleanor Christensen	22	6 05		22	7	31	22	17	00	22	17	00	American	Sudden & Christensen.	410 5	54 3	24 0	Gray's Har., Wash.	Baltimore, Md	Lumber, general.	7,175	6,572	4,788
Mancheria	21	17 45		22	8	07	22	16	25	22	17	05	American	Panama-Pacific Line	600.0	65 3	30 0	San Francisco, Cal.	New York, N. Y.	Canned fruits	8,150	17,044	11,488
Missourian [5]	22	9 20		22	10	17	22	17	30	22	18	40	American	Amer.-Hawaiian Line	462 0	59 8	25 08	Seattle, Wash.	Boston, Mass	General, lumber	8,389	8,567	4,020
Susherico	22	9 50		22	10	40	22	18	35	22	18	35	American	Transmarine Lines.	324 0	46 2	22 0	Aberdeen, Wash.	Newark, N. J	Lumber	4,000	3,984	2,628
Canadian Cruiser	22	11 00		22	11	47	22	19	12	23	3	35	British	Can. Govt. Mer. Mar	430 0	56 0	15 6	Auckland, N. Z.	Montreal, Quebec.	General	1,219	7,680	5,494
I. C. White [6]	22	10 55		22	12	07	22	20	00	22	21	40	American	Pan-Amer. Pet. & Tr. Co.	424 9	59 2	28 0	Long Beach, Calif.	New York, N. Y.	Fuel oil	10,725	7,925	5,840
St. Mihiel [7]	20	14 30		22	13	25	22	20	10	22	20	10	American	U. S. Army	448 9	58 0	25 6	San Francisco, Cal.	New York, N. Y	Military supplies	75		
Sciota [8]				22	6	58	22	15	50	22	16	00	American	U. S. Army	155 0	30 0		Balboa, C. Z	Bluefields, Nic'gua				
Leme [9]	22	11 30		12	14	17	22	22	05	22	6	35	Italian	Nav. Libera-Triestina	450 0	57 0	26 10	Vancouver, B. C.	Trieste, Italy	General	9,137	8,804	6,455
Emidio [10]	23	3 40		22	6	30	23	14	55	23	14	55	American	General Pet. Corp	435 0	56 2	28 10	Los Angeles, Calif	Baltimore, Md	Gasoline	9,500	7,433	5,058
Ecuador	22	13 20		23	7	16	23	15	37	24	16	25	American	Panama Mail S. S. Co.	380 0	48 7	22 0	San Francisco, Cal	New York, N. Y	General	1,956	5,926	4,178
Tongking [11]	22	12 00		23	8	20	23	16	55	23	16	55	Danish	East Asiatic Co	410 0	55 0	29 0	San Francisco, Cal.	Hamburg, Germany	General	9,210	7,013	5,317
S-45 [12]				23	8	31	23	17	15				American	U. S. Navy				Balboa, C. Z	Cristobal, C. Z				
David McKelvy [1]	23	3 02		23	9	46	23	18	10	23	18	10	American	Tidewater Oil Co	430 0	59 0	28 0	Los Angeles, Calif	Boston, Mass.	Fuel oil	11,411	7,629	5,325
Alaska	23	9 20		23	10	20	23	18	35	23	18	35	Norwegian.	So. Alberta Lumber Co.	410 0	54 0	24 6	Vancouver, B. C.	New York, N. Y.	Lumber	7,200	6,563	4,799
Strassa	23	3 35		23	10	34	23	19	35	23	21	30	Swedish	Trafikaktiebolaget Grangesborg	385 1	53 5	26 5	Portland, Oreg	Europe	Wheat	5,950	6,282	4,382
Killerig [13]	8	28 21	50	23	11	49	23	18	30	23	19	30	British	Lindsay Swan & Hunter	172 2	30 0	13 6	Buenaventura, Col.	Kingston, Jamaica.	Ballast		575	152
Swiftarrow [1]	9	21 14	20	24	6	31	24	17	20	24	17	20	American	C. D. McLory & Co.	465 65	60 20	27 8	Los Angeles, Calif	Fall River, Mass.	Crude oil	10,952	8,473	6,050
City of San Francisco [14]	23	15 45		24	7	11	24	15	05				Panamian	Panama Mail S. S. Co.	299 0	45 9	15 2	San Francisco, Cal.	Cristobal, C. Z	Coffee, hide, gen	615	2,838	2,606
Talamanca [15]	24	6 00		24	7	17	24	15	05	24	15	05	Panamian	United Fruit Co	67 0	18 6	7 0	Panama Bay, R. P.	Cristobal, C. Z			38	27
Sucrosa [1]	23	22 45		24	7	58	24	17	35	24	17	35	American	Cities Service Oil Co	389 0	54 7	26 6	Los Angeles, Calif	Philadelphia, Pa.	Fuel oil	7,205	6,190	4,380
Agwistone [1]	24	2 30		24	9	15	24	18	25	24	18	25	American	Inter. Steamship Corp.	499 9	68 1	28 0	Los Angeles, Calif	New York, N. Y.	Crude oil	15,000	10,853	7,804
Torvanger	24	1 00		24	12	26	24	20	45	24	21	40	Norwegian.	So. Alberta Lumber Co.	420 1	54 0	25 0	Port Alberni, B. C.	New York, N. Y.	Lumber	8,150	6,963	5,054
Firmore	24	12 15		24	13	20	24	21	05	24	21	05	American	Cre S. S. Corp.	449 1	57 2	29 6	Cruz Grande, Chile	Baltimore, Md	Iron ore	11,600	7,847	5,185
Cities Service Petrol [1]	25	5 24		25	6	25	25	14	57	25	14	57	American	Cities Service Trans. Co.	468 3	62 7	28 6	Los Angeles, Calif	Boston, Mass.	Gas tops, oil	14,500	9,802	6,961
Agnes E. [16]	25	2 00		25	6	29	25						Panamian	Pacific Fruit Co	57 8	19 7	9 0	Panama Bay, R. P.	Gatun Lake, C. Z.	Bananas	5	57	29
E. M. Clark [17]	25	3 00		25	9	26	25	18	20	25	18	20	American	Standard Oil Co. of N. J.	469 2	68 0	29 8	Los Angeles, Calif	Montreal, Canada	Crude oil	15,600	11,063	8,033

[1] Tanker. [2] Motor ship. [3] U. S. Army transport. [4] U. S. Navy tug. [5] Wrecking tug. [6] Motor schooner. [7] Submarine. [8] Commercial launch.

Hours are expressed on the 24-hour basis and all hours greater than 12 are post meridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
September 19	Cartago	United Fruit Co.	New Orleans via Habana.	September 19	Calamares	United Fruit Co.	New York via Habana.
September 19	Calamares	United Fruit Co.	Port Limon, Costa Rica.	September 19	Cartago	United Fruit Co	Bocas del Toro, R. P.
September 19	Niagara [21]	U. S. Navy	Salinas Point, Venezuela.	September 19	Ancon	Panama Railroad S. S. Line	New York via Haiti.
September 20	Pastores	United Fruit Co.	New York via Habana.	September 19	Limon	United Fruit Co.	New York, N. Y.
September 21	Abangarez	United Fruit Co	New Orleans via Habana.	September 22	Cartago	United Fruit Co	New Orleans via Habana.
September 22	Cartago	United Fruit Co.	Bocas del Toro, R. P.	September 22	Pastores	United Fruit Co	Port Limon, Costa Rica.
September 22	Oranje Nassau	Royal Netherlands W. I. Mail.	Amsterdam via wayports.	September 22	Williness [22]	M. Cosaraquis	Colon, R. P.
September 22	Sixaola	United Fruit Co	New York via Kingston.	September 23	Tivives	United Fruit Co	New York via Kingston.
September 22	Camden	United Fruit Co.	Baytown, Tex.	September 23	Sixaola	United Fruit Co	Colombian ports.
September 22	Williness [22]	M. Cosaraquis	Colon, R. P.	September 23	Abangarez	United Fruit Co.	New Orleans, wayports.
September 23	Tivives	United Fruit Co.	Colombian ports.	September 23	Oranje Nassau	Royal Netherlands W. I. Mail.	Port Limon, Costa Rica.
September 23	Favorita	Standard Fruit S. S. Co.	New Orleans, La.	September 24	Camden	United Fruit Co	Baytown, Tex.
September 24	Puerto Rico	French Line	St. Nazaire and wayports	September 24	Favorita	Standard Fruit S. S. Co	San Blas, R. P.
September 24	Kyphissia	Hamburg-American Line	Hamburg, Germany.	September 25	Favorita	Standard Fruit S. S. Co	New Orleans, La.
September 24	Favorita	Standard Fruit S. S. Co	San Blas, R. P.	September 25	San Jose	United Fruit Co.	New York via Habana.
September 25	Oranje Nassau	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.	September 25	Kyphissia	Hamburg-American Line	Tampico, Mexico.
September 25	San Jose	United Fruit Co	New York via wayports.	September 25	Puerto Rico	French Line	St. Nazaire via wayports.

[21] Survey ship. [22] Schooner.

PORT OF BALBOA.

September 21	Nora	Grace Line, Inc.	Los Angeles, Calif.	September 22	Nora	Grace Line, Inc.	Los Angeles, Calif.

* Other than ships passing through the Canal.

United States Intercoastal Traffic by Commodities for August, 1926.

The following table shows the cargo carried through the Canal in the United States intercoastal trade, segregated by commodities and direction, with the totals, and the totals for August, 1925 and 1924. Cargo statistics are compiled from cargo declarations submitted by masters of vessels, and in these declarations small items are frequently grouped under the designation of "General Cargo." These statistics are accordingly not precise but they are indicative of the kind and quantity of the cargo in transit through the Canal. The figures represent tons of 2,240 pounds, and are for the United States intercoastal trade only:

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Total.
Agricultural implements	2,715	98	2,813
Alfalfa		390	390
Ammonia	19		19
Asbestos	30		30
Asphalt	40		40
Automobiles	5,465	25	5,490
Automobile accessories	297	25	322
Bark:			
Cascara		200	200
Beans		1,699	1,699
Borax	100	650	750
Bricks	713		713
Canned goods:			
Fish	1,044	9,795	10,803
Fruit	355	19,712	20,067
Meat	68		68
Vegetables	509	3,001	3,510
Other	195	1,322	1,517
Celite filtered		157	157
Cement	558	370	928
Charcoal	52		52
Chemicals	1,821	65	1,886
China and fire clay	227		227
Coal	1,807		1,807
Coconuts		200	200
Coffee		45	45
Cold storage	66		66
Confectionery	324		324
Cotton	275	128	403
Drugs	268		268
Dyewoods		1,241	1,241
Earthenware	106	109	215
Explosives	2,178		2,178
Fertilizer	280		280
Flour		7,054	7,054
Fruits:			
Dried		3,439	3,439
Fullers earth	902		902
Furniture	103		103
General	76,305	38,183	114,488
Glass and glass ware	413	217	630
Granite	24		24
Guano	100		100
Hardwoods	250		250
Hay		3,242	3,242
Hemp		320	320
Honey		72	72
Ink	120		120
Jute	120		120
Leather	14		14
Linoleum	165		165
Lumber	539	209,615	210,154
Manufactured goods:			
Iron and steel	80,259	400	80,659
Machinery	2,477	43	2,520
Railroad material	105		105
Textiles	1,285		1,285
Other	173	956	1,129
Matches	110		110
Metals:			
Copper	35	10,354	10,389
Iron	923	100	1,023
Lead		62	62
Scrap	196		196
Zinc	50		50
Milk, powdered		231	231

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Total.
Musical instruments	30	.....	30
Nitrates	.....	18	18
Oils:			
Crude	.....	339,539	339,539
Linseed	1,223	.....	1,223
Lubricating	2,360	.....	2,360
Other	100	.....	100
Refined	271	94,745	95,016
Vegetable	271	.....	271
Ore, chrome	52	.....	52
Paint	293	18	311
Paper	2,526	1,829	4,355
Peanuts	.....	89	89
Phosphates	850	.....	850
Porcelain	.....	445	445
Rags	24	252	276
Rice	.....	102	102
Rope	64	.....	64
Rosin	442	.....	442
Rubber, manufactured	692	.....	692
Rubber, scrap	.....	38	38
Salt	23	.....	23
Sand	1,300	.....	1,300
Seeds, grass	.....	175	175
Shells, oyster	990	.....	990
Skins and hides	74	1,485	1,559
Slate	268	.....	268
Soap	1,059	.....	1,059
Soda	173	.....	173
Soda, ash	825	.....	825
Soda, bicarbonate	45	.....	45
Soda, caustic	55	.....	55
Sugar	975	1,500	2,475
Sulphur	2,500	.....	2,500
Syrup	90	136	226
Talc	.....	30	30
Tea	.....	117	117
Tobacco	976	.....	976
Toys	37	.....	37
Wax	35	.....	35
Wine	.....	25	25
Wool	.....	1,900	1,900
Zinc oxide	72	.....	72
Totals, August, 1926	202,875	755,927	958,802
Totals, August, 1925	168,297	617,757	786,054
Totals, August, 1924	133,436	677,666	811,102

Sailings of Panama Railroad Steamship Line.

Following are proposed dates of sailings of passenger vessels in the New York-Cristobal service of the Panama Railroad Steamship Line, in which the steamers *Ancon* and *Cristobal* are engaged, sailing alternately:

Steamer.	Leave New York 3 p. m.	Leave Port-au-Prince p. m	Arrive Cristobal a. m.	Leave Cristobal 3 p. m.	Leave Port-au-Prince p. m.	Arrive New York a. m.
Cristobal	Sept. 21	Sept. 26	Sept. 29	October 3	October 6	October 11
Ancon	October 5	October 10	October 13	October 17	October 20	October 25.
Cristobal	October 19	October 24	October 27	October 31	Nov. 3	Nov. 8.
Ancon	Nov. 3	Nov. 8	Nov. 11	Nov. 15	Nov. 18	Nov. 23.
Cristobal	Nov. 16	Nov. 21	Nov. 24	Nov. 28	Dec. 1	Dec. 6
Ancon	Nov. 30	Dec. 5	Dec. 8	Dec. 12	Dec. 15	Dec. 20.
Cristobal	Dec. 14	Dec. 19	Dec. 22	Dec. 26	Dec. 29	January 3.
Ancon	Dec. 28	Jan. 2	Jan. 5	Jan. 9	Jan. 12	Jan. 17

Steamers sail at 3 p. m. from Pier 65, North River, Foot of West 25th St., New York.

The stay of steamers at Port-au-Prince, Haiti, is of sufficient length of time to allow passengers to visit points of interest.

WEST COAST SERVICE.

In addition, a regular freight service is maintained without calls en route direct to Cristobal, Buenaventura and Ecuadorian Ports. Particulars upon application.

All vessels call at Port-au-Prince, Haiti, which is approximately 5 days from New York and 60 hours from Cristobal.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Transit and Harbor Regulations of The Panama Canal," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending September 25, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Ancon	Panama Railroad S. S. Line		September 19		1,393
Limon	United Fruit Co		September 19		188
Calamares	United Fruit Co	September 19	September 19	31	(1)
Cartago	United Fruit Co	September 19	September 19	118	143
Vera	United Fruit Co		September 19		388
Actor	T. & J. Harrison	September 19	September 20	610	(2)
Nitokris	Kosmos Line		September 20		90
Ebro	Pacific Steam Navigation Co	September 20	September 20	(3)	116
Honduras	French Line	September 20	September 21	475	11
Tirso	Italian Line	September 20	September 21	123	128
Garfield	Grace Line	September 20	September 21	269	(2)
Chiman	National Navigation Co		September 21		287
Pastores	United Fruit Co	September 20	September 22	497	49
Duchessa D'Aosta	Nav. Libera-Triestina	September 21	September 22	345	(2)
Kemdyk	Holland-American Line	September 21	September 22	26	24
Smaland	Colombian Transport Co	September 20	September 23	(3)	1,248
Abangarez	United Fruit Co	September 21	September 23	657	27¾
Cartago	United Fruit Co	September 22	September 22	82	118
Oranje Nassau	Royal Netherlands W. I. Mail	September 22	September 23	219½	(2)
Santa Teresa	Grace Line	September 22	September 23	(4)	3¼
Sixaola	United Fruit Co	September 22	September 23	652	228
Cid	Pacific Steam Navigation Co	September 22	September 23	170	426
Camden	United Fruit Co	September 22	September 24	9,020	(2)
Tivives	United Fruit Co	September 23	September 24	1	107
Ecuador	Panama Mail S. S. Co	September 23	September 24	1,222	4
Balboa	Johnson Line	September 23	September 23	6	(2)
Favorita	Standard Fruit S. S. Co	September 23	September 23	253	3
Iowa	French Line	September 24	September 24	18	362
Puerto Rico	French Line	September 24		44	
Annie Johnson	Johnson Line	September 24	September 24	125	(2)
City of San Francisco	Panama Mail S. S. Co	September 24		615	
Kyphissia	Hamburg-American Line	September 24	September 25	451	91
Kellerwald	Hamburg-American Line	September 24	September 25	95	(2)
Favorita	Standard Fruit S. S. Co	September 24	September 25	(3)	487
Oranje Nassau	Royal Netherlands W. I. Mail	September 25	September 25	14	379
San Jose	United Fruit Co	September 25	September 25	66	87
Apurimac	Peruvian Line	September 21	September 23	264	(2)

[1] 3 packages. [2] No cargo laded. [3] No cargo discharged. [4] 4 packages.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution, away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Location of Patients and Visiting Hours, at Ancon Hospital.

The following table shows the distribution of patients in the Ancon hospital buildings and the visiting hours for the various wards and sections:

Section and Ward.	Visiting Hours.
Section "B:"	
Ward 5, Male, private rooms, American boys	Daily 9.30 to 11 a. m.; 2.00 to 4.30 p. m.; 6.30 to 8.00 p. m. (No visitors permitted in nursery.)
Ward 6, Foreign, male and female, private rooms, American girls	
Ward 7, White female, private rooms	
Ward 8, Obstetrical department, white females (Nursery)	
Section "C:"	
Ward 9, White foreign, male	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p. m.
Ward 11, Colored, male, surgical	
Ward 12, Colored, male, medical, eye and ear	
Ward 13, Colored, male, G. U.	
Ward 14, American, male, G. U.	
tion "D:"	
Ward 15, American, male, surgical	Tuesdays, Thursdays, and Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m.
Ward 16, American, male, medical, eye and ear	Sundays and holidays, 9.30 to 11 a. m.; 2.30 to 4.30 p. m.
Ward 17, Colored children	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 18, White children	Daily 9.30 to 11 a. m.; 2 to 4 p. m.
Ward 19, Colored, female, medical	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 20, Colored, female, surgical, obstetrical	
Isolation	No visitors permitted except to visit tuberculosis patients. Thursdays, Sundays, and holidays, 1.30 to 3 p. m.

Permission to visit outside of visiting hours will be granted upon application to the Superintendent's Office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity ..... .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton ..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

Postal and Cable Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., October 6, 1926. No. 9.

Canal Traffic During September, 1926.

During the month of September, 1926, 446 commercial vessels and 11 small launches transited the Canal. Tolls on the commercial vessels aggregated $2,019,626.42, and on the launches $47.40, or a total tolls collection of $2,019,673.82.

The daily average number of transits of seagoing vessels for the month was 14.86, and the daily average tolls collection $67,320.88. The average amount of tolls paid by each of the commercial transits was $4,528.31, as compared with $4,438.54 for the month of August.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 9 months of the current calendar year, with the daily average of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
January	478	$2,103,368.29	15.45	$67,850.59
February	424	1,835,226.47	15.14	65,543.80
March	516	2,206,212.20	16.32	71,168.13
April	425	1,917,457.11	14.16	63,911.90
May	470	2,056,965.55	15.16	66,353.72
June	419	1,852,670.66	13.96	61,755.68
July	456	1,980,719.67	14.71	63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
Totals	4,089	18,027,288.28	14.97	66,034.02

Although there were 18 fewer transits of commercial vessels during September, than during the preceding month, daily average tolls collections were considerably in excess of the month of August, thereby making September the fifth month of the present calendar year in which tolls collections have exceeded two million dollars.

Statistics of traffic passing through the Canal for the period from January 1 to September 30, inclusive, for the past 6 years, are given in the following tabulation:

January 1 to September 30, inclusive.	No. of transits.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
1921	2,067	8,406,602	$8,286,516.21	7,912,737
1922	2,105	8,969,638	8,740,893.11	9,302,731
1923	3,668	17,887,606	16,584,312.07	18,320,049
1924	3,709	18,626,083	17,368,728.53	19,646,874
1925	3,478	16,717,230	15,572,460.85	17,310,538
1926	4,089	19,544,176	18,027,288.28	20,629,307

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, October 2, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Sir James Clark Ross [2]	25	18.35	26	6.20	26	13.46	26	15.00	Norwegian	John Rasmussen	470.2	58.4	26.6	Sandifjord, Norway	Pt. Chalmers, N. Z	Ballast		9,094	6,155
Paulsboro [1]	25	19.10	26	6.20	26	14.03	26	15.20	American	Vacuum Oil Co	435.0	56.0	18.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,041	4,838
Waipiata	25	19.15	26	7.25	26	14.38	26	16.59	British	Union S. S. Co	315.0	45.0	19.0	Greenwich, England	Wellington, N. Z.	Coal	1,000	3,149	1,989
Utacarbon [1]	25	19.38	26	7.59	26	14.58	26	20.29	American	Union Oil Co	435.0	56.0	19.0	Montreal, Canada	Los Angeles, Calif.	Ballast		7,482	5,209
Sagadahoc	26	2.50	26	8.40	26	15.43	26	19.10	American	Argonaut S. S. Line	420.5	54.2	24.0	New York, N. Y.	San Francisco, Cal	General	6,407	7,340	5,342
George Allen	26	3.00	26	8.45	26	16.20	26	20.10	American	Garland S. S. Line	385.3	51.2	20.0	New York, N. Y.	Seattle, Wash.	General	3,721	6,224	4,465
Port Hobart	26	5.50	26	9.30	26	17.06	27	00.40	British	Com'lth. & Dom. Line	466.9	59.0	23.0	London, England	Wellington, N. Z.	General	3,461	10,041	7,271
Kelvinia	26	6.05	26	10.00	26	17.40	27	00.51	British	General Sugar Estates	435.6	57.7	24.8	Nuevitas, Cuba	Shanghai, China	Sugar	7,550	7,858	5,517
Arizona	26	2.14	26	11.10	26	17.56	26	19.10	British	French Line	428.0	55.0	20.9	Antwerp, Belgium	Vancouver, B. C.	General	4,241	7,097	4,936
R. W. Stewart [1]	26	6.10	26	11.17	26	18.30	26	19.59	American	Pan-Amer. Pet. & Tr. Co.	567.6	62.7	22.9	New York, N. Y.	Port San Luis, Calif	Ballast		9,363	6,874
Swifteagle [1]	26	9.55	26	12.05	26	19.26	26	19.00	American	C. D. Mallory & Co	465.0	60.2	17.6	Fall River, Mass.	Los Angeles, Calif	Ballast		8,473	5,997
Invergarry [1]	26	6.15	26	12.25	26	20.10	26	21.12	British	Andrew Weir & Co	412.6	55.8	18.2	Southampton, Eng.	Los Angeles, Calif.	Ballast		7,101	4,709
Sidney M. Hauptman	26	10.00	26	13.27	26	21.00	26	22.00	American	Munson, McCor'k Line.	401.0	53.2	24.9	New York, N. Y.	San Francisco, Cal.	General	5,456	7,082	5,167
Atholl	26	10.30	26	13.33	26	21.35	27	1.34	British	Amer. & Austral'n Line	385.2	48.7	19.6	New York, N. Y.	Sydney, Australia.	Autos, general	2,525	4,830	3,556
Challenger [2]	26	12.49	26	14.20	26	22.38	28	15.59	American	U. S. & Australia Line	410.0	56.0	27.0	New York, N. Y.	Adelaide, Australia.	Steel, general.	6,235	7,786	5,811
West Keats	26	13.38	27	6.15	27	13.22	27	14.25	American	Calif. & East. S. S. Co	410.5	54.3	17.0	Philadelphia, Pa.	Seattle, Wash.	General	2,800	6,572	4,960
Turakina	26	21.00	27	6.35	27	14.29	27	18.32	British	N. Z. Shipping Co	460.0	62.6	25.6	Liverpool, England	Auckland, N. Z.	General	7,200	10,618	7,355
F. H. Wickett [1]	27	16.55	27	7.25	27	15.27	27	16.30	American	Pan-Amer. Pet. & Tr. Co	468.0	62.6	21.0	Providence, R. I.	Los Angeles, Calif.	Ballast		9,606	7,034
Vacuum [1]	27	5.15	27	8.15	27	16.29	27	17.45	American	Vacuum Oil Co	425.8	57.0	19.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,473	5,054
Canadian Britisher	27	8.25	27	9.49	27	17.15	27	19.08	British	Can. Gov. Mer. Mar.	400.3	52.2	20.0	Montreal, Canada	Adelaide, Australia	General	1,700	5,906	4,141
Ensley City	27	8.55	27	11.00	27	18.02	27	22.15	American	Isthmian S. S. Lines	395.5	55.0	26.0	New York, N. Y.	Vancouver, B. C	General	7,725	7,330	5,239
Acajutla	14	19.40	27	13.00	27	19.48	27	21.19	British	Pacific Steam Nav. Co	215.7	33.5	16.6	Cristobal, C. Z	Champerico, Guat	General	1,186	1,273	706
Bowes Castle	27	19.30	27	13.15	27	20.44	27	21.48	British	Lancashire S. S. Co	418.5	56.1	26.9	New York, N. Y	Manila, P. I	General	6,788	6,675	4,698
Cayuca 2247			27		27	19.35			Panamian	Louis Sydney				Cristo'al, C. Z	Gatun, C. Z	Ballast		1	1
Ryndam	27	9.50	28	6.07	28	13.27	28	20.26	Dutch	University Travel. Assn.	559.0	62.0	25.7	New York, N. Y.	Round the world	Ballast		13,130	9,241
Solana [1]	27	19.13	28	6.29	28	14.18	28	15.35	American	Atlantic Refining Co	419.5	56.6	18.0	Philadelphia, Pa.	Los Angeles, Calif	Ballast		7,069	5,025
Argon [1]	28	3.10	28	7.29	28	15.11	28	16.20	American	Standard Transp. Co	435.0	56.0	21.0	New York, N. Y	Los Angeles, Calif	Ballast		7,386	5,183
W. S. Rheem [1]	28	3.25	28	8.49	28	16.18	28	22.35	American	Standard Oil Co	590.0	68.2	17.1	New York, N. Y	San Francisco, Cal.	Ballast		11,224	7,895
Calgarolite [1]	28	5.03	28	9.59	28	16.57	28	18.05	British	Imperial Oil Co	463.3	60.2	19.5	Montreal, Canada	Talara, Peru	Ballast		8,491	5,949
Port Curtis	28	5.10	28	10.53	28	17.45	28	19.42	British	Com'lth. & Dom. Line	459.0	58.0	26.8	New York, N. Y	Brisbane, Australia	Oil, general	4,707	8,500	6,149
Ardmore [1]	28	6.05	28	11.00	28	18.37	28	19.43	American	Ardmore S. S. Co	449.5	59.6	16.0	New York, N. Y	Talara, Peru	Ballast		8,687	6,406
City of Chester	28	7.25	28	12.10	28	19.28	28	21.25	British	Ellerman Line	410.0	52.0	23.0	New York, N. Y	Brisbane, Australia	General	3,292	6,315	4,642
Mecca [1]			28		28	13.09			American	United Fruit Co				Cristobal, C. Z	Gatun, C. Z	Ballast		4	4
Ortega	28	12.36	29	6.09	29	13.04	29	13.58	British	Pacific Steam Nav. Co	465.0	56.0	24.5	Liverpool, England	Coronel, Chile.	General	3,203	8,345	5,998
Amazonas	27	9.05	29	6.10	29	14.16	29	18.25	Peruvian	Peruvian Line	350.1	42.5	24.0	New York, N. Y	Callao, Peru	Coal, general	2,839	3,744	2,624
Pol No. 1 [3]	28	14.25	29	6.10	29	13.17	30	12.00	Norwegian	Melsom & Melsom	111.8	22.0	12.0	Rotterdam, Holland	Hobart, Australia.	Ballast		214	47

[1] Tanker. [2] Whaler. [3] Motor ship. [4] Launch.

Pol No. 2 [2]	28	14.12	29	6.10	29	13.17	30	12.00	Norwegian	Melsom & Melsom	111.0	22.7	12.6	Rotterdam, Holland	Hobart, Australia	Ballast		248	55
Pol No. 3 [2]	28	14.10	29	6.10	29	3.20	30	12.00	Norwegian	Melsom & Melsom	111.0	22.7	12.0	Rotterdam, Holland	Hobart, Australia	Ballast		222	53
Pol No. 4 [2]	28	14.50	29	6.10	29	3.20	30	12.00	Norwegian	Melsom & Melsom	115.0	23.1	12.6	Rotterdam, Holland	Hobart, Australia	Ballast		248	55
N. T. Nielsen																			
Alonso [2]	28	15.34	29	7.12	29	15.15	30	12.00	Norwegian	Melsom & Melsom	481.7	57.0	21.6	Rotterdam, Holland	Hobart, Australia	Ballast		10,388	7,609
Gedania [1]	28	18.45	29	8.30	29	16.12	29	17.20	Danzig	Standard Oil Co	489.8	64.7	18.2	Charleston, S. C.	Talara, Peru	Ballast		10,596	8,085
Panaman	28	19.46	29	9.55	29	16.30	29	17.27	American	Amer.-Hawaiian Line	467.7	53.7	20.6	Boston, Mass	Seattle, Wash	General	3,262	7,098	5,029
Sudbury	29	11.35	29	11.45	29	18.48	29	20.00	American	Arrow Line	384.8	51.2	16.0	Savannah, Ga	Los Angeles, Calif	General	2,070	5,571	4,033
Katrina Luckenbach	29	10.20	29	13.37	29	20.14	29	21.00	American	Luckenbach Line	446.0	56.0	27.2	Boston, Mass	Los Angeles, Calif	General	7,444	8,508	6,179
Santos Maru [3]	29	15.40	30	6.10	30	13.00	30	14.00	Japanese	Osaka Shosen Kaisha	450.0	56.0	20.10	Buenos Aires, Arg	Kobe, Japan	General	3,752	7,875	5,821
Marsodak	29	19.55	30	7.17	30	14.46	30	16.10	American	Charles Nelson & Co.	314.0	46.0	26.0	Galveston, Tex	Portland, Oreg	Sulphur	5,100	3,984	2,628
Shreveport [1]	30	5.30	30	8.20	30	15.26	30	16.40	American	Cities Service Trans. Co.	435.0	56.0	16.6	New York, N. Y	Los Angeles, Calif	Ballast		7,411	5,109
Steelage	30	6.10	30	10.00	30	17.04	30	24.00	American	Isthmian S. S. Lines	395.5	55.0	27.0	Baltimore, Md	Takoa, Japan	(8)	8,547	7,330	5,245
Samuel Q. Brown [1]	30	7.00	30	10.45	30	17.42	30	19.00	American	Tidewater Oil Co	424.4	58.2	20.0	Boston, Mass	Los Angeles, Calif	Ballast		7,333	5,183
Edda	29	21.27	30	12.10	30	18.42	30	20.02	Italian	Nav. Libera-Triestina	405.0	53.9	14.0	Hamburg, Germany	Seattle, Wash	Ballast		6,206	4,421
Dominia [5]	30	10.30	30	13.20	30	20.20	10-1	9.21	British	Tel. Const. & Main. Co.	488.9	59.0	26.0	London, England	Esquimalt, B. C	Cable	8,594	9,756	5,982
Venezuela	29	11.50	10-1	6.00	10-1	14.12	1	22.25	American	Panama Mail S. S. Co.	380.0	48.6	25.3	New York, N. Y	San Francisco, Cal	Coffee, general	2,983	6,033	4,353
Neches [1]	30	18.15	1	6.20	1	15.04	2	22.50	American	U. S. Navy	475.0	56.0	21.0	Guantanamo, Cuba	Los Angeles, Calif	Gasoline	200		
Dean Emery [1]	30	17.00	1	7.35	1	15.31	1	16.35	American	Pan-Amer. Pet. & Tr. Co.	429.3	59.2	22.0	Boston, Mass	Los Angeles, Calif	Ballast		7,709	5,517
Phoenix [1]	30	17.32	1	8.20	1	15.58	1	17.15	American	Pan.-Amer. Oil. Corp	400.8	54.3	18.0	Boston, Mass	Los Angeles, Calif	Ballast		6,336	4,389
Steel Inventor	30	18.05	1	9.39	1	16.38	1	17.50	American	Isthmian S. S. Lines	421.2	56.2	26.3	New Orleans, La	Darien, China	General	8,240	7,611	5,450
Sabine Sun [1]	30	23.05	1	10.50	1	17.46	1	19.04	American	Sun Oil Co	429.0	59.0	20.0	Chester, Pa	Los Angeles, Calif	Ballast		7,621	5,277
Amsterdam	30	5.10	2	6.12	2	14.37	3	4.49	Dutch	Royal Neth. W. I. Mail	474.0	66.0	22.0	Amsterdam, Holl	Corral, Chile	General	4,511	11,638	7,660
Teno	10-1	12.35	2	6.05	2	15.44	2	16.35	Chile	Chilean S. S. Line	421.8	56.0	26.6	New York, N. Y	Valparaiso, Chile	General	2,793	7,758	4,672
Pacific Trader [3]	1	14.43	2	7.08	2	16.13	2	17.00	British	Furness, Withy & Co	420.0	58.0	17.3	Manchester, Eng	Vancouver, B. C	General	1,452	7,905	5,869
Marore	1	15.35	2	7.08	2	16.47	2	17.40	American	Ore S. S. Corp	550.3	72.2	21.5	Baltimore, Md	Cruz Grande, Chile	Ballast		155,51	4,297
Algonquin [1]	1	16.20	2	8.30	2	17.08	2	19.54	American	Standard Transp. Co	435.0	56.0	22.5	Providence, R. I	San Francisco, Cal	Ballast		7,602	5,337
Socony No. 82 [6] [1]	1	16.20	2	9.30	2	18.00	2	19.54	American	Standard Transp. Co	250.0	43.0	12.0	Providence, R. I	Los Angeles, Calif	Ballast		2,431	2,052
Banan	9-30	17.43	2	9.35	2	20.00	2	20.00	Norwegian	United Fruit Co	250.0	34.7	13.9	New Orleans, La	Gatun, C. Z. [7]	Bananas	239	1,680	987
Edgar F. Luckenbach	10-2	7.25	2	9.45	2	17.34	2	18.44	American	Luckenbach Line	425.0	57.3	26.0	New Orleans, La	Seattle, Wash	General	7,463	8,568	6,648
Suraico	2	8.30	2	10.55	2	18.55	2	19.54	American	Transmarine Lines	324.0	46.2	23.5	Newark, N. J	San Francisco, Cal	General	3,610	3,984	2,628
Ciricito [4]			2		2	9.53			American	San Blas Dev. Corp				Cristobal, C. Z	Gatun, C. Z	Towing barge		8	8

[1] Tanker. [2] Cable ship. [3] Barge. [7] And return to Mobile, Ala. [8] Steel, sulphate of ammonia, tin plates, and general.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

W. H. Libby [1]	25	7.30	26	6.07	26	17.28	26	17.28	American	Standard Oil Co. of N. J.	462.45	60.2	26.0	Los Angeles, Calif	New York, N. Y	Naphtha	11,419	8,461	6,104
Swiftsure [1]	25	17.00	26	7.00	26	18.02	26	18.02	American	C. D. Mallory & Co	465.65	60.20	27.5	Los Angeles, Calif	Fall River, Mass	Crude oil	10,930	8,473	6,017
Alvarado	26	1.50	26	8.31	26	18.50	27	11.15	British	Pacific Steam Nav. Co	303.0	43.0	12.3	Pimental, Peru	New York, N. Y	General	1,035	2,844	1,748
Nebraskan	26	2.30	26	8.50	26	19.02	26	19.04	American	Amer.-Hawaiian Line	368.6	55.2	24.6	Tacoma, Wash	Baltimore, Md	(9)	6,288	5,707	3,643
Melville Dollar	26	7.10	26	9.07	26	20.03	26	20.03	American	Dollar Line	429.0	55.2	28.6	Seattle, Wash	Baltimore, Md	Lumber, general	9,110	7,581	5,519
Tuxpanoil [1]	26	14.05	26	14.48	27	1.23	28	5.25	American	Oil Transport Co	450.0	60.0	27.0	Los Angeles, Calif	Providence, R. I	Gas oil	12,090	7,862	5,048
Franklin K. Lane [1]	26	16.00	27	6.13	27	14.10	27	14.50	American	Huasteca Petroleum Co	435.0	56.2	26.6	Los Angeles, Calif	Baltimore, Md	Refined gasoline	9,500	7,405	5,131
H. H. Rogers [1]	26	20.54	27	7.14	27	16.50	27	16.50	American	Standard Oil Co. of N. J.	500.0	68.0	30.0	Los Angeles, Calif	Baltimore, Md	Fuel oil	15,333	10,333	7,475
Santa Elisa	27	4.00	27	8.10	27	15.30	27	18.40	American	Grace Line	360.3	51.7	25.0	Talcahuano, Chile	New York, N. Y	General	4,105½	5,957	4,325

[1] Tanker. [9] Lumber, lath, and shingles.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Cokesit	27	5.30	27	8.42	27	17.10	27	17.40	American	U. S. & A. Lines (S.B.)	491.45	53.2	16.0	Sydney, Australia	New York, N. Y.	General	100	6,291	4,454
Burgondier	27	10.15	27	11.08	27	19.30	27	20.00	Belgian	Lloyd Royal Belge	400.0	52.0	25.0	Portland, Oreg.	St. Thomas, V. I.[11]	Wheat	7,283	5,837	4,064
Oran	22	14.00	27	13.18	27	21.20	28	8.00	American	Oriental Navigation Co.	410.5	54.2	26.7	Portland, Oreg.	Philadelphia, Pa.	Lumber	6,696	6,755	4,887
Walter Jennings [1]	27	12.40	27	13.37	27	22.18	27	22.18	American	Standard Oil Co. of N.J.	499.2	68.0	30.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	15,000	11,037	7,995
Lagarto [10]	27	10.30	27	14.09	27	23.20	28	1.00	British	Pacific Steam Nav. Co.	384.6	52.2	25.0	Corral, Chile	Liverpool, England	General	5,740	5,656	3,823
Cherry Branch	27	1.00	28	6.25	28	15.00	28	16.23	British	F. & W. Ritson	328.4	51.9	21.0	Valparaiso, Chile	Liverpool, England	General	4,554	5,403	3,066
Murrio	27	15.00	28	7.11	28	15.52	28	15.52	American	Munson S. S. Line	323.6	48.2	22.6	Tacoma, Wash.	New York, N. Y.	Lumber, general	4,508	4,165	3,066
Point Lobos	28	1.20	28	7.18	28	15.55	28	15.55	American	Swayne & Hoyt, Inc.	289.0	44.14	19.9	Portland, Oreg.	New Orleans, La.	Lumber, general	3,215	2,899	1,946
K. I. Luckenbach	27	17.00	28	8.01	28	16.13	28	16.13	American	Luckenbach Line	446.0	56.17	30.0	Seattle, Wash.	Mobile, Ala.	Lumber, general	8,444	8,552	6,236
King Malcolm [10]	27	22.00	28	9.43	28	17.40	28	19.40	British	Balfour, Guthrie & Co.	460.3	59.0	25.0	Portland, Oreg.	([12])	Wheat	8,417	7,367	5,561
Eagle	28	6.00	28	10.22	28	17.55	28	17.55	American	Williams S. S. Co., Inc.	410.0	56.0	27.6	Seattle, Wash.	Philadelphia, Pa.	General	7,960	8,243	6,266
Iowan	28	8.50	28	11.01	28	18.45	28	18.45	American	Amer.-Hawaiian Line	407.7	53.7	26.6	Portland, Oreg.	New York, N. Y.	General	7,554	7,091	5,002
Lillian Luckenbach	28	11.58	28	12.52	28	20.30	28	20.30	American	Luckenbach Line	448.9	60.2	31.9	Portland, Oreg.	Boston, Mass.	Lumber, general	8,650	9,294	6,865
Birmingham City	28	1.45	28	13.09	28	21.40	28	21.40	American	Isthmian S. S. Lines	395.5	55.0	27.0	Vancouver, B. C.	Avonmouth, Eng.	General	7,495	.....	.....
Saint Jean	29	8.30	29	9.53	29	17.30	30	10.10	French	French Line	396.24	49.11	23.0	Manta, Ecuador	Havre, France	General	5,910	5,849	4,081
Rapot	29	9.30	29	10.45	29	19.00	29	23.30	German	Roland Line	393.44	54.33	25.6	San Antonio, Chile	New York, N. Y.	Copper, lead ore	8,021	6,583	4,660
Havre Maru	29	9.30	29	13.13	29	20.05	29	20.05	Japanese	Osaka Shosen Kaisha	407.25	59.82	18.6	Hankow, China	Boston, Mass.	General	2,829	6,539	4,773
T. J. Williams [1]	29	17.15	30	6.19	30	14.30	30	14.30	American	Standard Oil Co. of N.J.	465.4	60.2	28.6	Los Angeles, Calif.	Hamburg, Germany	Gas, bunker oil	12,000	8,585	6,087
Canadian Transporter	29	23.45	30	7.13	30	15.45	30	22.15	British	Can. Gov. Mer. Mar.	460.0	52.4	25.0	Vancouver, B. C.	Glasgow, Scotland	General	6,539	6,228	4,491
Frederic R. Kellogg [1]	30	2.15	30	8.11	30	17.20	10-3	6.20	American	Pan-Amer. Pet. & Tr. Co.	425.8	57.0	28.8	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	10,000	7,178	4,963
Moerdijk	30	6.05	30	9.00	30	17.23	9-30	17.23	Dutch	Holland-American Line	472.6	61.0	25.0	Vancouver, B. C.	Antwerp, Belgium	Grain, general	8,836	9,165	7,056
Salina [1]	30	7.50	30	10.09	30	18.40	10-3	7.12	American	Shell Oil Co. (S. B.)	425.8	57.0	28.3	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	9,432	7,484	5,242
Rotorua	30	11.53	30	12.44	30	19.36	1	00.35	British	N. Z. Shipping Co.	525.0	61.4	23.0	Auckland, N. Z.	London, England	Frozen, general	5,421	12,846	9,439
Bethore	10-1	1.30	10-1	6.14	10-1	15.25	1	15.25	American	Ore S. S. Corp.	550.3	72.2	34.6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,890	15,476	4,354
Trevethoe	9-30	19.45	1	7.28	1	15.55	1	18.35	British	Foster, Hain & Read	369.9	51.1	23.6	Portland, Oreg.	Dublin, Ireland	Wheat	7,000	5,179	3,928
Finn [10]	10-1	6.30	1	8.42	1	16.20	1	16.20	Swedish	General S. S. Corp.	271.22	41.03	18.6	Vancouver, B. C.	New York, N. Y.	Lumber, general	2,400	2,472	1,513
Heluan	1	11.30	1	12.57	1	20.35	2	14.50	German	Kosmos Line	441.2	52.8	25.10	Talcahuano, Chile	Hamburg, Germany	Nitrate	7,478	7,621	5,313
Steelore	2	2.00	2	5.45	2	15.30	2	15.30	American	Ore S. S. Corp.	550.3	72.2	32.10	Cruz Grande, Chile	New York, N. Y.	Iron ore	20,000	15,551	4,297
F. H. Hillman [1]	2	2.00	2	7.20	2	15.50	2	20.00	American	Standard Oil Co. of Cal.	500.0	68.2	28.08	Los Angeles, Calif.	London, England	Gasoline	14,000	11,225	7,913
Oriana	1	18.15	2	8.20	2	16.40	2	18.20	British	Pacific Steam Nav. Co.	465.7	56.75	26.6	Coronel, Chile	Liverpool, England	General	5,276	8,620	5,345
Planet	1	14.45	2	8.43	2	16.50	2	16.50	German	F. Laeisz	450.7	57.2	25.6	Caleta Buena, Chile	Hamburg, Germany	Nitrates	8,577	7,460	5,234
Edwin Christensen	9-24	16.45	2	9.12	2	18.00	2	18.00	American	Sudden & Christensen	410.0	54.2	24.3	Raymond, Wash.	New York, N. Y.	Lumber	6,960	.....	.....

[1] Tanker. [10] Motorship. [11] For orders. [12] Barrow-in-Furness, England.

Canadian Planter	10–1	19.00	2	9.40	2	17.30	2	17.30	British	Can. Gov. Mer. Mar.	400.3	52.46	24.4	Vancouver, B. C.	Montreal, Quebec	Lumber, general	6,098	5,858	4,108
Calcutta Maru	1	15.40	2	10.08	2	18.50	2	23.05	Japanese	Nippon Yusen Kaisha	400.0	54.0	20.6	Iloilo, P. I.	Boston, Mass	General	6,227	5,799	4,178
Noorderdijk	2	1.30	2	10.40	2	19.30	2	21.44	Dutch	Holland-American Line	470.0	58.0	26.7	Los Angeles, Calif.	Rotterdam, Holland	General	9,449	8,888	6,612
Monticello	2	6.00	2	11.09	2	19.45	2	19.45	American	Sudden & Christensen	468.5	58.8	26.6	Los Angeles, Calif.	Baltimore, Md.	Lumber, copper	10,214	8,460	6,084
Wido	2	7.30	2	12.02	2	20.55	2	20.55	German	Roland Line (A. C.)	393.44	54.32	26.8	Payto, Chile	Antwerp, Belgium	General	8,243	6,585	4,631
William A. McKenney	2	12.45	2	13.29	2	22.00	2	22.00	American	Isthmian S. S. Lines	410.0	55.0	26.5	Tacoma, Wash.	Philadelphia, Pa.	Lumber	7,000	6,993	4,990

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
September 26	Teutonia	Hamburg-American Line	Hamburg via wayports.	September 26	Oranje Nassau	Royal Netherlands W. I. Mail	Amsterdam via wayports.
September 26	Pastores	United Fruit Co	Port Limon, Costa Rica.	September 26	Pastores	United Fruit Co	New York via Habana.
September 26	Parismina	United Fruit Co	New Orleans via Habana.	September 26	Parismina	United Fruit Co	Bocas del Toro, R. P.
September 27	Linda S. [13]	Surgeon Brothers	Colon, R. P.	September 27	Teutonia	Hamburg-American Line	Port Limon, Costa Rica.
September 27	U. D. Vinton [16]	G. Bryan	Colon, R. P.	September 27	Pioneer [14]	B. Britton	Bluefields, Nicaragua.
September 27	Pioneer [14]	B. Britton	Colon, R. P.	September 27	U. D. Vinton [16]	G. Bryan	Bluefields, Nicaragua.
September 27	Ulua	United Fruit Co	New York via Habana.	September 27	Linda S. [13]	Surgeon Brothers	Bluefields, Nicaragua.
September 28	Atenas	United Fruit Co	New Orleans via Habana.	September 28	M. F. Benefit [13]	L. Britton	Bluefields, Nicaragua.
September 28	M. F. Benefit [13]	L. Britton	Colon, R. P.	September 29	Parismina	United Fruit Co	New Orleans via Habana.
September 29	Parismina	United Fruit Co	Bocas del Toro, R. P.	September 29	Ulua	United Fruit Co	Port Limon, Costa Rica.
September 29	Cavina	Elders & Fyffes, Ltd	Bristol, Eng. via wayports	September 29	Cavina	Elders & Fyffes, Ltd	Port Limon, Costa Rica.
September 29	Cristobal	Panama Railroad S. S. Line	New York via Haiti.	September 30	Carrillo	United Fruit Co	Colombian ports.
September 29	Carrillo	United Fruit Co	New York via Kingston.	September 30	Sixaola	United Fruit Co	New York via Kingston.
September 30	Sixaola	United Fruit Co	Colombian ports.	September 30	Atenas	United Fruit Co	New Orleans via wayports
September 30	Virginia	Standard Fruit S. S. Co	New Orleans, La.	October 1	Virginia	Standard Fruit S. S. Co	San Blas, R. P.
October 1	Smith Thompson [15]	U. S. Navy	Norfolk, Va.	October 2	Virginia	Standard Fruit S. S. Co	New Orleans, La.
October 2	Esparta	United Fruit Co	New York via wayports.	October 2	Cavina	Elders & Fyffes, Ltd	Bristol via Kingston.
October 2	Virginia	Standard Fruit S. S. Co	San Blas, R. P.	October 2	Smith Thompson [15]	U. S. Navy	Bluefields, Nicaragua.
October 2	Cavina	Elders & Fyffes, Ltd	Port Limon, Costa Rica.	October 2	Esparta	United Fruit Co	New York via Habana.

[13] Motor schooner. [14] Schooner. [15] Destroyer.

PORT OF BALBOA.

September 26	Regulus	A. O. Lindvig	Antofagasta, Chile.	September 27	Regulus	A. O. Lindvig	San Pedro, Calif.
.....	.....	.....	.....	October 1	Rio Ica [16]	Peru Ballenero	Callao, Peru.

[16] Whaler.

* Other than ships passing through the Canal.

Stevedoring at Panama Canal Docks.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., *October 4, 1926.*

To all concerned:

The following instruction, dated September 23, 1926, has been received from Governor Walker by the Acting Governor:

"As I shall not reach the Isthmus until October 28th, and as I have had no chance to see reports of results of agents writing to their principals, please issue a circular postponing effective date until 1.00 a. m., December 1, 1926."

In pursuance of the above instruction, the effective date of the provisions of the circular dated July 1, 1926, withdrawing from steamship companies the privilege of doing their own stevedoring on the Cristobal and Balboa docks, is changed from 1 a. m., November 1, 1926, to 1 a. m., December 1, 1926.

H. BURGESS,
Acting Governor.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending October 2, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged.	Cargo— Laded.
				Tons.	*Tons.*
Smaragd	United Fruit Co.		September 26.		461
Puerto Rico	French Line		September 26.		667
Pastores	United Fruit Co.	September 26	September 26.	13	(1)
Parismina	United Fruit Co.	September 26.	September 26.	268	200
Arizona	French Line	September 26	September 26.	113	6
Acajutla	Pacific Steam Navigation Co.		September 27.		1,173
Teutonia	Hamburg-American Line	September 26.	September 27.	251	40
Alvarado	Pacific Steam Navigation Co.	September 26.	September 27.	345	(1)
Santa Elena	Grace Line	September 27.	September 27.	1¼	(2)
Pioneer	R. Feuillebois	September 27.	September 27.	(3)	53
U. D. Vinton	R. Feuillebois	September 27.	September 27.	(3)	25
Linda S.	R. Feuillebois	September 27.	September 27.	(3)	44
Amazonas	Peruvian Line	September 27.	September 29.	(3)	402
Ulua	United Fruit Co.	September 27.	September 29.	151	15
M. F. Benefit	A. Britton	September 28	September 28.	(3)	26½
Ortega	Pacific Steam Navigation Co.	September 28.	September 29.	88	213
Atenas	United Fruit Co.	September 28.	September 30.	511	18
Cristobal	Panama Railroad S. S. Line	September 29.		2,868	
Venezuela	Panama Mail S. S. Co.	September 29.	October 2.	666	156
Rajot	Roland Line	September 29.	September 29.	(3)	71
Parismina	United Fruit Co.	September 29.	September 29.	75	206
Carrillo	United Fruit Co.	September 29.	September 30.	159	419
Santos Maru	Osaka Shosen Kaisha	September 29	September 30	189	(2)
Saint Jean	United Fruit Co.	September 29.	September 30	166	65
Virginia	Standard Fruit S. S. Co.	September 30.	October 1.	240	6
Amsterdam	Royal Netherlands W. I. Mail.	September 30	October 2.	658	368
Sixaola	United Fruit Co.	September 30.	September 30	(4)	88
Salina	Shell Oil Co.	September 30		9,432	(1)
Frederic R. Kellogg	Huasteca Petroleum Co.	September 30		10,000	(1)
Buran	United Fruit Co.	September 30.	October 2.	(1)	404
Heiuan	Kosmos Line	October 1.	October 2.	133	241
Pacific Trader	Furness, Withy & Co.	October 1.	October 2.	(1)	247
Noorderdyk	Holland-American Line	October 2.	October 2.	(1)	16
Calcutta Maru	Nippon Yusen Kaisha	October 2.	October 2.	157	(1)
Vermont	French Line	October 2.		42	
Virginia	Standard Fruit S. S. Co.	October 2.	October 2.	(1)	170
Esparta	United Fruit Co.	October 2.	October 2.	100	59

[1] No cargo laded. [2] 3 cases. [3] No cargo discharged. [4] 500 pounds.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending October 2, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged.	Cargo— Laded.
				Tons.	*Tons.*
Regulus	A. O. Lindvig	September 26.	September 27.	475	
Acajutla	Pacific Steam Navigation Co.	September 27.	September 27.		1
Havre Maru	Osaka Shosen Kaisha	September 29.	September 29.	52	
Venezuela	Panama Mail S. S. Co.	October 1.	October 1.	10	

THE PANAMA CANAL RECORD

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., October 13, 1926. No. 10.

Tanker Traffic Through the Panama Canal in September, 1926.

During the month of September, 119 tank ships transited the Canal, with an aggregate net tonnage, Panama Canal measurement of 675,800 on which tolls of $597,588.26 were collected. In point of net tonnage, tanker traffic for the past month showed an increase of approximately 83.8 per cent over the same traffic for the corresponding month a year ago, while cargo tonnage showed an increase of 110 per cent over the cargo tonnage of September, 1925.

Tank ships comprised 26.7 per cent of the total commercial transits of the Canal during the month; made up approximately 30.9 per cent of the total Panama Canal net tonnage; were the source of 29.5 per cent of the total tolls collected; and carried approximately 30.8 per cent of the total cargo in transit through the Canal. The number, aggregate tonnage, tolls, and cargo of tank ships transiting the Canal during the month of September, 1926, segregated by direction of transit and nationality of vessels, are shown in the following tabulations, with comparative totals for the two preceding months and for September, 1925:

Nationality.	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
British	12	52,124	$40,540.86	17,662
Danzig	2	16,252	11,701.44	.....
French	1	5,050	3,636.00	.....
United States	44	256,599	188,178.91	17,095
Totals, September, 1926	59	330,025	244,057.21	34,757
Totals, August, 1926	61	366,605	266,220.59	12,300
Totals, July, 1926	61	348,310	254,533.30	14,233
Totals, September, 1925	34	191,875	141,843.02	16,965
Pacific to Atlantic.				
British	8	40,366	43,342.50	78,341
Danzig	2	14,423	14,548.75	24,366
Norwegian	1	6,451	6,960.00	12,367
Peruvian	[1] 1	1,696	1,843.75	2,442
United States	48	282,839	286,836.05	548,310
Totals, September, 1926	60	345,775	353,531.05	665,826
Totals, August, 1926	60	347,588	356,559.80	655,955
Totals, July, 1926	53	309,835	316,537.50	583,419
Totals, September, 1925	29	175,744	183,512.37	316,368

[1] Cargo of whale oil.

Of the total tanker traffic shown above, the following is a summary of the vessels giving Los Angeles as their port of origin or destination, together with the totals for the two preceding months:

	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
To Los Angeles:				
September, 1926	45	251,469	$181,129.26	.....
August, 1926	52	311,840	224,682.42	.....
July, 1926	52	292,407	210,882.60	.....
From Los Angeles:				
September, 1926	48	284,604	290,309.80	550,743
August, 1926	47	273,665	283,296.05	512,099
July, 1926	41	241,772	246,721.25	456,457

Length, Beam, and Draft of Vessels Transiting the Canal During the Fiscal Year, 1926.

The average length, beam, and draft of the 5,197 commercial vessels which transited the Canal during the fiscal year 1926, was 402.69 feet, 53.7 feet, and 22.54 feet, respectively. The average length, beam, and draft of vessels bound from the Atlantic to the Pacific was 400.63 feet, 53.54 feet, and 20.74 feet, respectively, and for vessels enroute from the Pacific to the Atlantic the averages were 405.03 feet, 53.9 feet, and 24.58 feet, respectively.

The draft of the 5,197 commercial vessels, segregated into intervals of one foot between drafts of 10 and 35 feet is shown in the following table:

Draft.	Atlantic to Pacific.	Pacific. to Atlantic.	Total transits.
Under 10 feet	52	38	90
From 10 to 11 feet	9	8	17
From 11 to 12 feet	12	9	21
From 12 to 13 feet	33	11	44
From 13 to 14 feet	54	20	74
From 14 to 15 feet	68	19	87
From 15 to 16 feet	105	25	130
From 16 to 17 feet	110	54	164
From 17 to 18 feet	145	32	177
From 18 to 19 feet	214	37	251
From 19 to 20 feet	254	54	308
From 20 to 21 feet	297	44	341
From 21 to 22 feet	239	77	316
From 22 to 23 feet	253	117	370
From 23 to 24 feet	223	208	431
From 24 to 25 feet	205	305	510
From 25 to 26 feet	169	298	467
From 26 to 27 feet	147	292	439
From 27 to 28 feet	84	282	366
From 28 to 29 feet	50	209	259
From 29 to 30 feet	21	119	140
From 30 to 31 feet	10	75	85
From 31 to 32 feet	4	30	34
From 32 to 33 feet	1	20	21
From 33 to 34 feet	1	33	34
From 34 to 35 feet	.	19	19
Over 35 feet	..	2	2
Totals	2,760	2,437	5,197

The average dimensions of the vessels transiting the Canal during the past six fiscal years are shown in the following tabulation:

Fiscal year.	Length.	Beam.	Draft.
	Feet.	*Feet.*	*Feet.*
1921	367.5	49.4	21.5
1922	375.9	50.3	21.5
1923	399.6	53.3	22.7
1924	411.6	54.6	22.9
1925	407.7	54.2	22.8
1926	402.69	53.7	22.54

The greatest length, beam, and draft of vessels through the Canal in each of the past six fiscal years is shown in the following tabulation:

Fiscal year.	Length.	Beam.	Draft.
	Feet.	*Feet.*	*Feet.*
1921	795.00	92.00	34.00
1922	625.00	92.00	34.00
1923	610.00	75.30	35.20
1924	627.00	77.90	34.60
1925	860.70	105.20	35.00
1926	678.72	78.40	35.60

Of the commercial vessels passing through the Canal during the fiscal year 1926, the *Empress of Scotland* had the greatest length; the *Belgenland* had the greatest beam; and the *Lebore* had the greatest draft.

Large Whaler Transits Canal.

The Norwegian whaling ship *C. A. Larsen*, ex-tanker *San Gregorio*, owned by Johan Rasmussen and N. Konow, arrived at Cristobal on October 6, 1926, from Norfolk, Va., en route to Port Chalmers, N. Z., via Los Angeles. This vessel is probably the largest whaler in existence, having a carrying capacity of about 67,000 barrels of whale oil. It is fitted with a false bow which can be removed, leaving a hole about 18 feet in diameter, through which the entire body of a whale can be hauled up on the upper deck, there cut to pieces by machinery, and shot down to the rendering vats below by means of manholes conveniently placed on both sides of the deck. The propelling machinery uses oil fuel, but the rendering boilers are fitted for coal. She carriers a crew of 163 men, has a length of 527 feet, beam of 66.6 feet, and a deadweight tonnage of 17,200.

Overloaded Vessels.

THE PANAMA CANAL, DEPARTMENT OF OPERATION AND MAINTENANCE,
BALBOA HEIGHTS, C. Z., *October 8, 1926.*

TO ALL STEAMSHIP OWNERS AND STEAMSHIP AGENTS:

Please refer to Marine Superintendent's order of July 23, 1926, addressed to All Steamship Owners and Steamship Agents:

In the execution of the referred to order The Panama Canal accepts under "other certified credential" provided for in Par. 3, any modification of freeboard with consequent increase of draft, for any type of vessel which has been, or may be hereafter, approved by resolution of the International Shipping Conference.

Owners of vessels affected are invited to certify to, and file with, the Marine Superintendent of The Panama Canal, the drafts of vessels under their control which have been or may be so modified.

JOHN DOWNES,
Marine Superintendent.

Approved:
H. BURGESS,
Acting Governor.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, October 9, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
City of San Francisco [2]	9-24	15 05	3	6.10	3	12.52	3	19 07	Panaman	Panama Mail S. S. Co.	296.9	45.0	23.0	Cristobal, C. Z	San Francisco, Cal.	General	3,463	3,848	2,696
Frederic R. Kellogg [1]	30	17 20	3	6 20	3	13 15	3	14 45	American	Huasteca Pet. Co.	425 8	57.0	16.6	Cristobal, C. Z	Los Angeles, Calif	Ballast	.....	7,178	4,963
Salina [1]	30	18 40	3	7.12	3	14 10	3	15 15	American	Shell Oil Co	425 8	57.0	22 0	Cristobal, C. Z	Los Angeles, Calif.	Ballast	.....	7,484	5,242
Kentuckian	10-3	1 40	3	7 30	3	14 40	3	15 50	American	Amer.-Hawaiian Line	411.5	53.7	22.0	Boston, Mass	Portland, Oreg	General	3,478	7,049	4,941
Munindies	3	3 30	3	8 35	3	15 00	3	16 10	American	Munson S. S. Line	370.0	53.1	17.6	Baltimore, Md	Los Angeles, Calif	General	3,042	5,525	4,097
Faraday [3]	3	6 37	3	8.50	3	16.00	4	9 07	British	Pacific Cable Board	380.0	48.0	25.0	London, England.	Honolulu, T. H.	Cables		6,303	3,692
Louisor	3	7 40	3	13.30	3	21.54	4	4 53	French	Messageries Maritimes	447.3	52 8	25 6	Antwerp, Belgium	Noumea, New Cal.	General	3,331	7,487	5,162
Dreechdijk [2]	3	5 45	4	6.00	4	13 41	4	14.47	Dutch	Holland-American Line.	485.0	62 0	21.0	Rotterdam, Holland	Vancouver, B. C.	(5)	4,055	10,793	7,619
Georgian	4	4 10	4	7 15	4	14 11	4	15 15	American	Amer.-Hawaiian Line	386 8	52 2	16 2	Charleston, S. C.	Seattle, Wash.	General	1,645	5,719	4,023
Laurel	4	4.55	4	8 20	4	15 31	4	16 35	American	Columbia-Pac. Ship. Co.	410 6	54 2	19 4	Philadelphia, Pa.	Portland, Oreg	General	2,777	6,756	4,874
Dryden	4	9 33	4	9 45	4	17 00	4	17 50	American	American-Pioneer Line	434 3	57 7	26 3	New Orleans, La.	Shanghai, China.	(8)	7,915	7,983	5,882
Tustem [1]	4	14 55	5	6 15	5	13 11	5	14 20	American	Atlantic Refining Co.	423.0	57 2	21 0	Philadelphia, Pa.	Los Angeles, Calif	Ballast	.....	7,204	4,768
City of Canton	4	15 15	5	6 20	5	14 17	5	15 25	British	Amer.-Australian Line.	450.6	56 6	24.6	New York, N. Y.	Auckland, N. Z.	General	5,246	8,127	6,134
Swan [4]			5	6 40	5	14 14	5	15 25	American	U. S. Navy	180.0	35 6	.....	Cristobal, C. Z	Balboa, C. Z	Ballast			
Felix Taussig	4	17 45	5	7 09	5	14 38	5	15 40	American	Norton, Lilly & Co	395.0	55.0	27.6	New York, N. Y.	Seattle, Wash	Steel, general.	8,278	7,056	4,964
Thelia [2] [1]	4	23.25	5	7.40	5	15.04	5	18 25	Danzig	Baltic-Amer. Pet. Co.	470.9	63.2	18.0	Hamburg, Germany	Los Angeles, Calif	Ballast		9,018	5,929
Byron D. Benson [1]	5	3 55	5	8 20	5	16 07	5	17.20	American	Tidewater Oil Co	465.4	60.2	19.0	New York, N. Y.	Los Angeles, Calif	Ballast		8,546	5,870
James McGee [1]	5	5 25	5	8 40	5	17 01	5	18 25	American	Standard Oil Co	499.1	68 2	18.6	New York, N. Y.	Talara, Peru.	Ballast		10,964	7,909
Amerikaland [2]	5	6 05	5	9 40	5	17 53	6	3 45	Swedish	Ore S. S. Corp	561.1	72.0	23 0	Baltimore, Md	Cruz Grande, Chile	Ballast		15,569	4,496
Albertoite [1]	5	7.00	5	10 20	5	18 55	5	20.10	British	Imperial Oil Co	463.3	60.0	20.7	Montreal, Canada	Talara, Peru.	Ballast		8,491	5,879
Notre Dame de Fourviere.	5	6 00	5	10 45	5	19 37	5	20.52	French	French Line	427.0	58.0	17 6	Bordeaux, France.	Vancouver, B. C.	General	1,393	8,043	5,454
Evanger	5	9 50	5	11 55	5	20 33	6	2 38	Norwegian	Westfal, Larsen & Co	377.0	52 3	23.0	Buenos Aires, Arg.	Tacoma, Wash	General	6,340	5,746	4,092
Husvik [5]	5	7 20	5	13.35	6	18.14	7	11 30	Peruvian	Tonsberg Whaling Co.	250 4	40.6	21.6	Newport News, Va.	Ecuador	Coal	2,375	1,904	1,418
Chaumont [6]	5	11 30	6	6 15	6	12.18	8	11 27	American	U. S. Navy	448 0	58.2	22 0	Hampton R'ds, Va.	Mare Island, Calif	Navy supplies.	431		
Norway Maru.	5	15 37	6	7 15	6	14 31	6	15.40	Japanese	Roosevelt S. S. Co.	385 0	51.0	23.0	Houston, Tex	Yokohama, Japan	Sugar, cotton.	4,745	6,215	4,661
Point Bonita	5	16 43	6	7.23	6	15 21	6	17.05	American	Swayne & Hoyt	324.0	46 2	21.0	New Orleans, La	Seattle, Wash.	General	3,714	3,984	2,617
Liebre [1]	5	22.15	6	8 45	6	15.56	6	17.05	American	Standard Transp. Co.	435.0	56.2	20.0	New York, N. Y	Los Angeles, Calif	Ballast		7,567	5,089
Harry Luckenbach	6	5.15	6	9 55	6	17 20	6	18 25	American	Luckenbach Line	448.9	60.2	25.5	Boston, Mass	Seattle, Wash	General	6,800	9,262	6,853
Svealand [2]	6	12.05	6	12.18	6	19 34	7	7.48	Swedish	Ore S. S. Corp	572.0	72.0	22.0	Baltimore, Md	Cruz Grande, Chile	Ballast		15,425	4,421
Orita	6	15 45	7	6 00	7	13 41	7	14.15	British	Pacific Steam Nav. Co.	485.0	58.0	23 8	Liverpool, England.	Coronel, Chile.	General	3,671	9,936	6,561
Santa Ana	6	18 40	7	6 07	7	13 52	7	17.15	American	Grace Line	360.2	51.6	24.9	New York, N Y.	Talcahuano, Chile	General	2,907	5,776	4,081
Salinas [1]	6	6 33	7	7.15	7	14.44	9	10 35	American	U. S. Navy	463.0	60.0	21.0	Guantanamo, Cuba	Los Angeles, Calif	Ballast			
Montgomeryshire	6	10.55	7	7.20	7	15.20	7	16.20	British	Royal Mail S. P. Co.	425.8	55.10	17 5	Dartmouth, Eng'd.	Vancouver, B. C.	General	1,487	7,450	5,494

[1] Tanker. [2] Motor ship. [3] Cable ship. [4] Mine sweeper. [5] Motor schooner. [6] Transport. [7] 3, 924 tons of general and 131 tons of bananas (5,233 stems). [8] Cotton, phosphate, and general.

C. A. Larsen [9]	6	14.43	7	8.30	7	16.07	7	17.15	Norwegian	Johan Rasmussen	527.0	66.6	22.0	Norfolk, Va.	Pt. Chalmers, N. Z.	Coal	4,434	15,017	10,329
El Lobo [1]	6	16.45	7	8.50	7	16.53	7	18.05	British	C. T. Bowring & Co.	385.2	51.0	19.0	Philadelphia, Pa.	La Libertad, Salv.	Ballast		4,851	3,311
Takaoka Maru	6	19.05	7	9.40	7	17.18	7	18.20	Japanese	Nippon Yusen Kaisha	445.0	58.0	26.0	Galveston, Tex.	Yokohama, Japan	(11)	8,256	7,989	5,856
Ohioan	7	5.15	7	9.50	7	17.39	7	18.36	American	Amer.-Hawaiian Line	407.7	53.5	20.9	New York, N. Y.	Los Angeles, Calif.	General	3,559	7,112	4,896
Plume [4]	7	7.00	7	11.00	7	18.27	7	20.34	British	Vacuum Oil Co.	460.0	62.8	24.0	Chester, Pa.	Los Angeles, Calif.	Ballast		9,167	5,941
Swiftscout [1]	7	7.50	7	11.00	7	19.25	7	20.34	American	C. D. Mallory & Co.	465.0	60.2	20.0	Fall River, Mass.	Los Angeles, Calif.	Ballast		8,473	6,104
Panama [2]	7	10.40	7	13.50	7	20.36	8	13.20	Danish	East Asiatic Co.	410.0	55.0	23.3	Copenhagen, Den.	San Francisco, Cal.	General	6,378	7,027	5,341
Rochester [10]	7	8.20	7	16.40	8	13.00			American	U. S. Navy	380,0	64.0	27.6	Nicaragua	Balboa, C. Z.	Ballast			
Barge No. 4			7		7	13.26			American	San Blas. Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		17	17
Lebore	7	16.45	8	6.15	8	14.50	8	15.45	American	Ore S. S. Corp.	550.0	72.0	24.4	Baltimore, Md.	Cruz Grande, Chile	Ballast		14,325	4,635
Roseric	7	21.30	8	6.25	8	15.01	8	16.15	British	Andrew Weir & Co.	405.0	52.0	24.0	New York, N. Y.	Far East	General	6,010	6,565	5,141
President Van Buren	8	5.50	8	7.30	8	15.45	9	00.10	American	Dollar Line	502.1	62.2	26.9	New York, N. Y.	San Francisco, Cal.	General	3,762	12,023	8,495
Harmattan	8	3.10	8	8.40	8	16.16	8	17.55	British	J. & C. Harrison	375.0	52.0	24.6	Pt. Tarafa, Cuba	Auckland N. Z.	Sugar	6,220	5,026	3,402
Garfield	7	23.35	8	9.40	8	16.57	8	20.58	American	N. O. & S. A. S. S. Line	299.4	45.0	19.6	New Orleans, La.	Corral, Chile	General	1,887	3,256	2,010
Salvador	3	15.35	8	11.10	8	18.09	8	20.58	British	Pacific Steam Nav. Co.	215.0	33.5	18.1	Cristobal, C. Z.	Champerico, Guat.	General	1,238	1,270	735
Robin Gray	8	9.30	8	10.50	8	18.14	8	22.52	American	Seas Shipping Co.	424.8	55.0	26.0	New York, N. Y.	Tacoma, Wash.	Steel, general	7,916	7,472	5,542
Chiman [5]	5	17.10	8	11.00	8	19.15	9	1.34	Panaman	National Nav. Co.	161.0	21.0	9.6	Cristobal, C. Z.	Buenaventura, Col.	General	312	211	124
Osiris [3]	8	5.45	8	12.25	8	19.55	9	1.34	German	Kosmos Line	376.2	51.8	24.7	Hamburg, Germany	Vancouver, B. C.	General	6,335	5,788	4,023
Ruahine	9	5.25	9	6.15	9	14.23	9	21.00	British	N. Z. Shipping Co.	480.6	60.3	28.3	London, England	Wellington, N. Z.	General	5,256	11,428	8,403
Illinois	7	8.12	9	6.20	9	15.25	9	17.50	French	French Line	400.0	51.6	15.6	Havre, France	Talcahuano, Chile	General	63	6,043	4,287
Losada [2]	8	10.55	9	7.15	9	16.04	9	22.15	British	Pacific Steam Nav. Co.	405.0	54.2	18.0	Hull, England	Corral, Chile	General	4,416	7,221	4,844
Atlanta City	9	1.50	9	7.30	9	16.57	9	23.20	American	Norton, Lilly & Co.	424.2	56.2	26.0	New York, N. Y.	Manila, P. I.	Sulphate, gen.	8,386	7,611	5,450
Eclipse	9	6.18	9	8.35	9	17.40	9	21.46	American	American Pioneer Line	440.0	56.0	24.8	Philadelphia, Pa.	Kobe, Japan	Gen., case oil	7,195¾	8,293	6,078
Vermont	2	13.15	9	9.50	9	18.20	9	19.21	French	French Line	399.6	52.0	18.3	Havre, France	Talcahuano, Chile	General	2,486	5,822	4,122
Hans Leonhardt	4	21.08	9	9.45	9	17.28	9	23.20	German	Colombian Transp. Co.	231.0	36.0	16.4	Cristobal, C. Z.	Buenaventura, Col.	General	1,782	1,568	909
Powden	8	9.28	9	10.55	9	22.25			Norwegian	United Fruit Co.	235.0	33.0	13.0	Mobile, Ala.	Gatun, C. Z. [12]	Bananas	308	1,276	711
Margaret Dollar	9	5.05	9	10.40	9	19.04	9	20.04	American	Dollar Line	429.0	55.6	20.6	Norfolk, Va.	San Francisco, Cal.	General	3,997	7,579	5,527
Charles H. Cramp	9	10.50	9	11.55	9	20.15	10	00.50	American	Argonaut S. S. Line	404.0	53.9	25.0	Baltimore, Md.	Tacoma, Wash.	Steel, general	6,578	6,755	4,750

[1] Tanker. [9] Whaler. [10] Cruiser. [11] Lubricating oil, black sheets, phosphate rock, and cotton. [12] And return to Mobile, Ala.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Canadian Traveller	2	19.30	3	6.15	3	13.38	3	14.30	British	Can. Gov. Mer. Mar.	399.8	52.25	17.0	Sydney, Australia	Montreal, Quebec	General	885	5,894	4,142
San Melito [1]	3	6.30	3	7.20	3	15.32	3	20.00	British	Anglo-Saxon Pet. Co.	530.0	66.5	29.5	Los Angeles, Calif.	London, England	Fuel oil	15,656	12,381	8,800
Lubeck	2	19.00	3	8.14	3	15.35	3	23.35	German	Kosmos Line	338.0	47.3	25.4	Talcahuano, Chile	Liverpool, England	General	5,500	4,429	2,753
Salvador	3	2.00	3	8.20	3	15.35	8	11.10	British	Pacific Steam Nav. Co.	215.0	33.5	14.2	Champerico, Guat.	Cristobal, C. Z.	Coffee, wood	4,000	1,270	735
Benalder	3	4.30	3	8.47	3	16.55	3	18.30	British	Col.-Pacific Ship. Co.	400.0	51.85	24.0	Gray's Har., Wash.	Leith, Scotland	(13)	6,616	5,419	3,990
Columbian	3	10.00	3	10.48	3	17.40	3	18.15	American	Amer.-Hawaiian Line	404.6	53.95	25.0	Seattle, Wash.	New York, N. Y.	General	5,958	6,760	4,450
Amersfoort	3	18.45	4	6.10	4	14.00	4	20.45	Dutch	Royal Neth. W. I. Mail.	483.0	62.75	27.0	Corral, Chile	Hamburg, Germany	General	10,183	10,083	6,883
Augvald	3	21.45	4	7.13	4	15.10	4	16.45	Norwegian	E. I. DuPont Co.	400.0	52.1	26.0	Iquique, Chile	Philadelphia, Pa.	Nitrate	8,091	6,698	4,990
La Paz [3]	3	23.44	4	8.18	4	16.20	4	16.20	British	Pacific Steam Nav. Co.	406.0	54.0	27.0	Corral, Chile	Liverpool, England	General	7,796	7,216	4,912
Charles R. McCormick	4	5.10	4	9.14	4	16.35	4	16.35	American	Munson, McCor'k Line.	401.4	53.2	26.1	Seattle, Wash.	New York, N. Y.	Lumber, copper	3,500	7,082	5,167
Sujerseyco	4	8.00	4	10.07	4	17.30	4	20.35	American	Transmarine Lines	324.0	46.2	24.6	Aberdeen, Wash.	Port Newark, N. J.	Lumber	4,250	3,984	2,628
Agwimars [1]	4	8.17	4	10.43	4	18.30	4	18.30	American	Inter. Shipping Corp.	429.3	59.2	28.10	Los Angeles, Calif.	Baltimore, Md.	Crude oil	10,311	7,596	5,209

[1] Tanker. [3] Wheat, lumber, and concentrates.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From:—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Commercial Guide	4	9 01	4	11.11	4	19 20	5	00 55	American	Moore & McCormick	406.7	55.2	25.7	Ketchikan, Alaska	Newark, N. J.	Lumber	7,100	6,597	4,752
Westmoor [14]	4	9 15	4	12.37	4	20 45	4	21 20	British	W. Runciman & Co.	375.0	52.6	26.3	Portland, Oreg	Bordeaux, France.	Wheat	7,359		
Hans Leonhardt [14]	4	11 30	4	13 41	4	21 08	9	9 45	German	Colombian Transp. Co.	244.1	36 0	16 3	Buenaventura, Col.	Cristobal, C. Z.	([15])	700	1,568	909
Willhilo	4	13 25	4	14 11	4	22 00	4	22 00	American	Williams Line	434 3	57 7	28 0	Tacoma, Wash	New York, N. Y.	Lumber, general.	7,764	7,983	5,882
S. C. T. Dodd [1]	4	16 50	5	6 09	5	14 30	5	14 30	American	Standard Oil Co. of Cal.	435 0	57 2	28 8	San Francisco, Cal.	New York, N. Y	Gas oil	11,014	7,481	4,775
Montrolite [14]	5	4 20	5	7 44	5	16.10	5	16 10	British	Imperial Oil, Ltd	510 9	68 25	30 6	Los Angeles, Calif	Montreal, Quebec.	Crude oil	15,246	11,555	7,678
Chiman [1]	4	23 30	5	7 05	5	17 10	8	11 00	Panaman	National Nav. Co.	116.0	21 0	9 5	Buenaventura, Col.	Cristobal, C. Z	Coffee, hides.	213	211	124
Madras City	5	6 00	5	8.25	5	17.05	5	18.55	British	Sir. W. R. Smith	383 9	53 55	25 0	New Westm'r, B. C.	New York, N. Y	Lumber, hides.	7,400	5,481	3,948
Nortolk	5	00 02	5	11.03	5	18.10	5	18.10	British	Federal Steam Nav. Co.	518.0	64.0	20.6	Auckland, N. Z.	London, England	Frozen, general.	4,416	12,963	9,337
London Shipper	5	11 10	5	11.48	5	19.30	6	00.23	British	Furness, Withy & Co.	450.0	58.1	28.0	Victoria, B. C.	Glasgow, Scotland.	General	7,923	8,662	6,099
Bantu	5	12.45	5	13.48	5	23.00	6	2.00	American	Isthmian S. S. Lines	360.0	47.0	26.0	Mejillones, Chile	Pensacola, Fla.	Nitrate	6,017	4,607	3,032
Inverglass [1]	5	13 10	5	14.30	5	24.00	6	3 05	British	Andrew Weir & Co.	422.0	*55.7	27.6	Los Angeles, Calif.	Southampton, Eng.	Fuel oil	8,862	7,138	4,922
F. J. Luckenbach	5	18 02	6	6.16	6	13.20	6	13.20	American	Luckenbach Line	446.0	56.17	29.2	Portland, Oreg	Boston, Mass.	Lumber, general.	8,180	8,508	6,179
Dixie Arrow [1]	6	6.15	6	7 49	6	15.10	6	15.10	American	Standard Transp. Co.	468.3	62.7	27.8	Los Angeles, Calif.	New York, N. Y.	Gas oil	12,380	9,744	7,140
Frank Lynch [14]	6	5 30	6	8.34	6	16 20	6	16 20	American	W. J. Gray & Co.	252.0	43 5	18 6	Astoria, Wash.	New York, N. Y.	Lumber	2,000	2,283	1,361
Mongolia	5	17.40	6	11 26	6	19.00	6	19.25	American	Panama-Pacific Line	600.3	65.5	33.6	San Francisco, Cal.	New York, N. Y.	([16])	8,695	17,041	11,426
Antinous	4	9.45	6	12.27	6	19.55	6	22.15	French	Messageries Maritimes.	413.7	56.09	19.8	Noumea, New Cal.	Marseilles, France.	General	2,931	7,643	5,364
Sunbeam [1]	6	12.50	7	6.19	7	14.40	7	14.40	American	Sun Oil Co.	429.3	59.2	25.6	Los Angeles, Calif.	Jacksonville, Fla.	Gasoline	9,795	7,709	5,481
Karachi Maru.	6	20.00	7	8 23	7	17.20	7	17.20	Japanese	Kokusai Kisen Kaisha.	385.0	51.0	26.6	Seattle, Wash.	Algiers, Africa.	Wheat	7,655	5,914	4,388
Canadian Seigneur.	6	23 00	7	8.37	7	16.15	7	22.20	British	Can. Gov. Mer. Mar.	490.6	52.35	23.06	Vancouver, B. C.	Antwerp, Belgium.	([17])	6,683	5,983	4,135
Aconcagua	7	6 00	7	9 27	7	17.15	7	21 08	Chilean	Chilean Line.	422.8	56.2	26.0	Valparaiso, Chile.	New York, N. Y.	General	5,299	7,758	4,705
Swan [18]	6	14 23	7	10.08	7	18.30			American	U. S. Navy				High seas	Coco Solo, C. Z.	([20])			
K. R. Kingsbury [1]	7	7 00	7	10 51	7	18.45	7	18.45	American	Standard Oil Co. of Cal.	440.0	58.2	30.0	San Francisco, Cal.	New York, N. Y.	Gas oil	11,425	9,033	5,938
Steel Ranger	7	10.40	7	11.27	7	19.20	7	19.20	American	Isthmian S. S. Lines	424.2	56.2	24.9	San Francisco, Cal.	Portland, Maine.	([21])	6,350	7,611	5,450
Dorcus [19]			7	10 05	8				American	Waterman & Jones	26.6	6.9	2.6	Balboa, C. Z.	Cristobal, C. Z.			3	
Daisy [19]			7	10 05	8				Panaman	Allan Headley	25.4	6 8	2.5	Balboa, C. Z.	Cristobal, C. Z.			3	
Rosalie [19]			7	10 05	8				Panaman	Allan Headley	30.2	8.3	3.4	Balboa, C. Z.	Cristobal, C. Z.			6	
Robert E. Hopkins [1]	7	18.05	8	6.14	8	15.05	8	15.05	American	Tidewater Oil Co.	514.2	58.2		Los Angeles, Calif.	New York, N. Y.	Crude oil	10,316	7,333	5,182
Ardmore [1]	7	17.15	8	7.13	8	16.30	8	21.18	American	C. D. Mallory & Co.	449.5	59.6	26.4	Talara, Peru	Halifax, N. S.	Fuel oil	10,600	8,687	6,406
West Katan	7	21.07	8	8 21	8	16.40	8	16.40	American	Calif. & East'n S. S. Co.	410.5	54 3	24.6	Seattle, Wash.	New York, N. Y.	Lumber, rubber.	7,046	6,573	4,916
El Grillo [1]	7	22.25	8	8.59	8	17.15	8	18.30	British	C. T. Bowring & Co.	440.5	57.6	26.10	Talara, Peru	Vallo, Norway	Crude oil	8,527	7,468	5,042
Saint Andre	8	4.00	8	9.20	8	18.10	10	12.40	French	French Line	397.9	50.3	24 0	Valparaiso, Chile.	Havre, France.	Sugar, cotton.	5,966	5,958	4,164
Atrato [14]	8	9.00	8	9.30	8	17.28			Colombian	Colombian Transp. Co.	94.0	23.0	7.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee	157	160	92

[1] Tanker. [14] Motor ship. [15] Coffee, hats, and specie. [16] Canned fruit, vegetables, fish, flour, etc. [17] Lumber, wheat, and general. [18] U. S. Navy tug. [19] Commercial launch.
[20] Towing barge *No. 2*. [21] Lumber, and canned goods.

City of Norwich	8	2.00	8	11.07	8	18.48	8	19.55	British	Ellerman Lines, Ltd.	434.0	54.7	27.6	Kanchatka, Siberia	London, England	General	9,057	8,088	6,260
Indiana	8	10.31	8	11.18	8	19.25	9	15.55	French	French Line	435.0	56.0	27.0	Vancouver, B. C.	La Havre, France	General	7,929	7,157	4,936
Birkenhead [1]	8	11.02	8	11.57	8	21.00	8	21.00	American	Vacuum Oil Co.	425.0	57.2	27.6	San Francisco, Cal.	Philadelphia, Pa.	Lubricating oil	10,180	7,502	4,982
Gymeric [1]	8	23.30	9	6.12	9	14.15	9	19.30	British	Andrew Weir & Co.	420.3	54.6	25.10	Los Angeles, Calif.	(22)	Gasoline	8,643	6,501	4,459
Agnes [19]	9	2 35	9	6.16	....	....	....	....	Panaman	Pacific Fruit Co.	57.8	19.7	6.8	Panama, R. P.	Gatun, C. Z.	Bananas	6	57	29
Floridian	8	15.10	9	7.24	9	15.10	9	15.10	American	Amer.-Hawaiian Line	415.0	53.7	26.10	Portland, Oreg.	Boston, Mass.	General	7,375	7,273	5,105
Lygnern	8	20.50	9	8.10	9	16.15	9	16.15	Swedish	Reder Transatlantic	400.0	52.7	25.0	Portland, Oreg.	Dublin, Ireland	Wheat	7,287	6,280	4,567
Pacific	9	1.30	9	8.25	9	16.40	9	18.05	American	Argonaut S. S. Co.	399.1	56.2	25.0	Tacoma, Wash.	Baltimore, Md.	Lumber	7,000	6,517	4,723
Oxelosund [14]	9	4.20	9	9.38	9	17.30	9	17.50	Swedish	Trafik Aktieb Grangesberg.	393.7	53.6	26.0	Astoria, Wash.	Europe	Wheat	6,040	6,061	4,029
F. Q. Barstow [1]	9	10.20	9	11.18	9	20.10	9	20.10	American	Standard Oil Co. of N.J.	500.0	68.2	30.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	15,710	10,530	7,604
Canada [14]	9	10.20	9	11.30	9	20.40	10	19.00	Swedish	Johnson Line	440.0	56.0	26.0	Honolulu, T. H.	Leith, Scotland	(23)	7,443	7,476	5,456
William Green [1]	9	11.27	9	12.07	9	21.40	10	2.00	American	Pan-Amer.Pet.& Tr. Co.	430.0	58.2	27.0	Los Angeles Calif.	Rio de Janeiro, Br.	Fuel oil	10,468	6,973	4,670
William Penn [14]	9	11.50	9	12.46	9	22.30	9	22.30	American	American.-Pioneer Line.	439.0	60.2	18.2	Honolulu, T. H.	New York, N. Y.	(24)	684	9,019	6,220
Halo [1]	9	11.38	9	14.25	9	23.59	9	23.59	American	Cities Service Trans. Co.	435.0	56.0	29.3	Los Angeles, Calif.	Providence, R. I.	Gas oil	11,330	7,434	4,909

[1] Tanker. [22] Bowling-on-Clyde, Scotland. [23] Canned and dried fruits, and barley. [24] Pineapples and furniture.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
October 3	Heredia	United Fruit Co.	New Orleans via Habana.	October 3	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
October 3	Ulua	United Fruit Co.	Port Limon, Costa Rica.	October 3	Ulua	United Fruit Co.	New York via Habana.
October 4	Toloa	United Fruit Co.	New York via Habana.	October 3	Heredia	United Fruit Co.	Bocas del Toro, R. P.
October 6	Turrialba	United Fruit Co.	New Orleans via Habana.	October 4	Niagara	U. S. Navy	High seas.
October 6	Heredia	United Fruit Co.	Bocas del Toro, R. P.	October 6	Heredia	United Fruit Co.	New Orleans via Habana.
October 6	Santa Marta	United Fruit Co.	New York via Kingston.	October 6	Toloa	United Fruit Co.	Port Limon, Costa Rica.
October 7	Carrillo	United Fruit Co.	Santa Marta, Colombia.	October 7	Santa Marta	United Fruit Co.	Colombian ports.
October 7	Favorita	Standard Fruit S. S. Co.	New Orleans, La.	October 7	Carrillo	United Fruit Co.	New York via Kingston.
October 8	Teutonia	Hamburg-American Line	Porto Barrios.	October 7	Turrialba	United Fruit Co.	New Orleans via wayports.
October 8	Gilmer [25]	U. S. Navy	Bluefields, Nicaragua.	October 7	Favorita	Standard Fruit S. S. Co.	San Blas, R. P.
October 8	Flandre	French Line	Havre via wayports.	October 8	Linda S. [26]	Surgeon Brothers	Bluefields, Nicaragua.
October 8	Oranian	Leyland Line	Liverpool via wayports.	October 9	Teutonia	Hamburg-American Line	Cartagena.
October 8	Favorita	Standard Fruit S. S. Co.	San Blas, R. P.	October 9	Flandre	French Line	Havre via wayports.
October 8	Linda S. [26]	Surgeon Brothers	Colon, R. P.	October 9	Favorita	Standard Fruit S. S. Co	New Orleans, La.
October 8	Impco [26]	Colon Import & Export Co.	Colon, R. P.	October 9	Oranian	Leyland Line	New Orleans via Limon.
October 9	San Mateo	United Fruit Co.	New York via wayports.	October 9	Impco [26]	Colon Import & Export Co.	Colon, R. P.

[25] Destroyer. [26] Motor schooner.

PORT OF BALBOA.

None.				October 3	Rio Chira [27]	Peru Ballenero Peru	Pisco, Callao, Peru.
				October 3	Rio Sama [27]	Peru Ballenero Peru	Pisco, Callao, Peru.
				October 3	Strombus	Peru Ballenero Peru	Pisco, Callao, Peru.

[27] Whaler.

* Other than ships passing through the Canal.

Notice to Mariners.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., *October 9, 1926.*

Tripod concrete beacons 19 and 20, on the east bank of the Panama Canal channel, Mamei Curve, will be lighted hereafter with fixed white lights, beginning October 8, 1926.

H. BURGESS,
Acting Governor.

Commercial Traffic Through the Panama Canal in September, 1926, by Trade Routes.

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	83	361,049	460,676	580,722	359,744	$387,315.46	192,447
Europe to west coast of United States:							
British	8	29,492	34,644	48,314	29,542	24,943.68	.....
French	2	7,781	9,050	12,163	7,173	7,917.25	6,594
German	2	8,149	10,835	13,226	8,171	10,186.25	7,811
Italian	1	3,764	4,421	6,107	3,883	3,183.12	.....
Norwegian	1	2,313	3,235	3,924	2,336	2,891.25	4,500
Swedish	3	10,478	15,665	17,379	12,862	13,097.50	15,459
United States	2	8,372	11,408	13,685	8,173	9,736.53	8,376
Totals	19	70,349	89,258	114,798	72,140	71,955.58	42,740
Europe to west coast of South America:							
British	4	17,627	21,282	29,284	17,748	22,033.75	12,265
Danzig	2	11,888	16,252	17,918	10,203	11,701.44	.....
Dutch	1	4,042	4,769	6,906	3,917	5,052.50	4,589
French	1	4,219	4,932	6,669	4,224	5,273.75	1,946
German	4	11,105	14,507	18,123	11,168	13,881.25	14,153
Italian	2	8,291	9,239	12,425	7,424	10,089.35	2,159
Norwegian	2	3,832	4,348	6,076	3,801	4,772.10	6,450
Spanish	1	2,960	3,729	5,087	3,000	3,700.00	184
Totals	17	63,964	79,058	102,488	61,485	76,504.14	41,746
Europe to west coast of Canada:							
British	11	45,392	58,885	71,488	43,441	52,462.16	20,884
Danish	1	4,207	5,286	6,636	4,236	5,258.75	8,669
Dutch	1	4,863	6,066	7,655	4,799	6,078.75	2,337
French	1	4,196	5,020	6,798	4,268	5,245.00	521
German	1	3,752	5,799	6,053	3,785	4,690.00	4,901
Italian	1	4,686	5,552	7,714	4,662	5,857.50	3,812
Swedish	1	3,406	5,661	5,642	4,320	4,257.50	3,240
Totals	17	70,502	92,269	111,986	69,511	83,849.66	44,364
East coast of United States to west coast South America:							
British	5	15,643	20,258	26,645	16,054	18,361.42	18,732
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	2,105
Peruvian	1	2,073	2,621	3,287	1,993	2,591.25	2,879
United States	10	37,889	46,032	64,068	37,832	36,656.33	13,472
Totals	17	59,117	73,616	101,310	59,855	61,999.00	37,188
East coast of United States to Far East:							
British	7	24,749	37,994	40,157	24,913	30,936.25	39,164
Japanese	2	9,344	10,424	13,344	9,125	11,532.70	11,287
United States	6	24,423	33,086	37,898	23,487	30,528.75	48,294
Totals	15	58,516	81,504	91,399	57,525	72,997.70	98,745
East coast of United States to Australasia:							
British	12	42,568	56,530	67,938	42,893	53,320.00	54,897
United States	2	10,295	10,372	13,430	10,261	12,446.40	8,723
Totals	14	52,863	66,902	81,368	53,154	65,766.40	63,620
Europe to Australasia:							
British	7	38,297	50,937	63,405	38,572	47,871.25	28,585
Norwegian	6	10,498	13,974	18,639	10,855	13,122.50	.....
Totals	13	48,795	64,911	81,044	49,427	60,993.75	28,585

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
East coast of Canada to Australasia:							
British	5	13,908	18,396	23,052	13,813	$17,385.00	15,847
East coast of United States to Gatun Lake, C. Z.:							
Norwegian	4	2,659	2,736	4,914	2,771	2,282.75	.....
Cristobal, Z. C., to west coast of United States:							
British	1	3,143	4,365	5,197	3,155	3,142.80	.....
Panaman	1	1,384	2,606	3,644	2,594	1,730.00	3,636
United States	2	10,318	13,930	16,639	10,302	10,029.60	.....
Totals	4	14,845	20,901	25,480	16,051	14,902.40	3,636
Cristobal, C.Z., to west coast of South America:							
Colombian	1	81	92	153	68	101.25	152
Norwegian	1	599	685	997	587	748.75	1,030
Panaman	1	113	124	207	109	141.25	301
Swedish	1	423	483	860	534	528.75	1,240
Totals	4	1,216	1,384	2,217	1,298	1,520.00	2,723
West Indies to Far East:							
British	2	8,084	9,762	13,184	8,065	10,105.00	15,196
Norwegian	1	2,537	4,245	4,362	2,516	3,171.25	6,923
Totals	3	10,621	14,007	17,546	10,581	13,276.25	22,119
Around-the-world:							
Dutch	1	7,563	9,241	12,535	7,292	9,453.75	.....
United States	1	6,228	8,495	10,534	6,195	7,785.00	3,850
Totals	2	13,791	17,736	23,069	13,487	17,238.75	3,850
East coast of South America to Far East:							
Japanese	2	8,340	11,642	14,534	8,774	10,425.00	4,977
East coast of Canada to west coast of United States:							
United States	2	10,347	13,242	16,724	10,379	9,534.24	.....
Cristobal, C. Z., to west coast Central America:							
British	2	1,286	1,441	2,298	1,304	1,607.50	2,341
Paraiso, C. Z., to Balboa, C. Z.:							
German	[1] 2	202	202	202	202	151.50	.....
East coast of South America to west coast of Canada:							
British	1	3,926	4,649	7,115	3,943	4,907.50	10,000
East coast of South America to west coast United States:							
United States	1	3,515	4,932	5,614	3,526	4,393.75	5,799
West Indies to Australasia:							
British	1	2,704	4,404	4,418	2,684	3,380.00	7,450
West Indies to west coast United States:							
Swedish	1	869	1,574	1,593	1,055	1,086.25	2,475
East coast of Central America to west coast of United States:							
British	1	2,873	3,598	4,663	2,886	2,590.56	.....
East coast of Central America to Balboa, C. Z.:							
Panaman	1	61	57	89	61	45.75	.....
East coast of Canada to west coast of South America:							
British	1	5,051	5,940	8,764	5,511	4,276.80	.....
East coast of Canada to west coast of Canada:							
British	1	3,322	4,186	5,465	3,400	4,152.50	3,240
Cristobal, C. Z., to Balboa, C.Z.:							
Panaman	1	26	26	32	26	19.50	.....
East coast of United States to west coast of Canada:							
United States	2	7,698	10,476	12,238	7,550	9,622.50	16,367
Totals, September, 1926	236	892,415	1,149,723	1,445,142	892,143	1,005,180.19	650,259
Totals, September, 1925	211	782,727	999,799	1,274,106	787,789	885,135.08	622,066
Totals, September, 1924	193	776,549	990,137	1,257,809	777,085	858,951.23	564,455

[1] Barges.

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered gross.	Tonnage. Registered net.	Tolls.	Tons. of cargo
United States intercoastal:							
United States	83	355,899	447,880	565,357	353,981	$444,611.05	737,004
West coast of United States to Europe:							
Belgian	1	3,217	4,064	5,196	3,175	4,021.25	7,283
British	12	40,481	54,331	65,822	40,602	50,601.25	92,713
Danzig	1	5,236	6,338	8,956	5,041	6,545.00	11,166
Norwegian	1	5,568	6,451	9,305	5,505	6,960.00	12,367
Swedish	1	3,231	4,322	5,650	4,163	4,038.75	5,959
United States	2	7,939	10,248	12,923	7,922	9,923.75	20,756
Totals	18	65,672	85,754	107,852	66,468	82,090.00	150,235
West coast of Canada to Europe:							
British	8	31,406	40,555	50,143	31,819	39,124.55	59,587
Danish	1	4,219	5,317	6,645	4,244	5,273.75	9,362
Dutch	3	15,183	20,667	24,360	15,105	18,978.75	26,716
French	1	3,349	5,196	5,693	3,499	4,186.25	7,396
German	1	2,624	4,027	4,454	2,618	3,280.00	6,071
Italian	2	10,268	12,364	15,185	9,588	12,835.00	17,789
United States	1	4,434	5,181	6,032	3,715	4,542.50	7,633
Totals	17	71,483	93,307	112,512	70,588	89,220.80	134,554
West coast of South America to east coast United States:							
British	3	9,128	11,360	15,758	9,571	11,410.00	10,371
Chilean	1	3,479	4,672	7,289	3,886	4,348.75	5,338
Danzig	1	6,403	8,085	8,966	5,107	8,003.75	13,200
German	1	3,664	4,660	5,943	3,669	4,580.00	8,021
Norwegian	1	3,210	5,458	5,143	3,200	4,012.50	8,800
Peruvian	1	3,501	3,544	4,763	3,089	4,252.80	4,242
Swedish	2	7,486	8,917	30,676	8,762	9,357.50	41,400
United States	6	20,694	24,467	36,091	20,676	25,685.90	61,203
Totals	16	57,565	71,163	114,629	57,960	71,651.20	152,575
West coast of South America to Europe:							
British	8	35,252	44,066	57,178	35,338	44,065.00	47,546
Dutch	1	4,250	6,653	6,899	4,417	5,312.50	10,053
French	2	6,948	8,393	11,183	6,971	8,685.00	11,303
German	3	10,312	15,562	16,870	10,249	12,890.00	17,260
Italian	1	3,474	4,280	6,161	3,483	4,342.50	3,459
Spanish	1	3,284	3,897	5,617	3,342	4,105.00	2,182
Totals	16	63,520	82,851	103,908	63,800	79,400.00	91,803
West coast of Canada to east coast of United States:							
British	1	2,688	4,008	4,273	2,689	3,360.00	6,900
Danzig	1	2,451	2,836	4,148	2,443	3,063.75	5,833
Norwegian	3	10,442	13,729	17,099	10,472	13,052.50	24,492
United States	3	11,157	15,774	18,142	11,142	13,946.25	23,393
Totals	8	26,738	36,347	43,662	26,746	33,422.50	60,618
Australasia to Europe:							
British	7	40,827	53,463	65,368	40,996	51,033.75	40,977
West coast of United States to Cristobal, C. Z.:							
British	1	3,143	4,365	5,197	3,155	3,928.75	6,813
Panamian	2	2,768	5,212	6,105	3,978	3,460.00	1,231
United States	4	19,176	24,135	31,078	19,276	23,970.00	45,866
Totals	7	25,087	33,712	42,380	26,409	31,358.75	53,910
West coast of South America to to Cristobal, C. Z.:							
Colombian	1	81	92	153	68	101.25	153
Norwegian	2	1,207	1,417	2,177	1,187	1,275.79	865
Panamian	1	113	124	207	109	141.25	228
Swedish	1	423	483	860	534	347.76	
United States	1	1,597	2,010	2,718	1,538	1,996.25	269
Totals	6	3,421	4,126	6,115	3,426	3,862.30	1,515
West coast of United States to east coast of Canada:							
British	1	6,598	7,658	11,399	6,845	8,247.50	15,664
United States	3	17,661	23,513	28,270	17,678	22,076.25	48,050
Totals	4	24,259	31,171	39,579	24,523	30,323.75	63,714

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Australasia to Canada:							
British	2	7,658	9,588	12,582	7,744	$9,572.50	1,819
West coast of Canada to east coast of Canada:							
British	3	9,525	12,589	15,348	9,563	11,906.25	20,869
Australasia to east coast United States:							
United States	2	8,819	8,903	12,044	8,800	10,683.60	250
West coast of Central America to Cristobal, C. Z.:							
British	2	1,286	1,441	2,298	1,304	1,607.50	1,090
West coast of Central America to east coast United States:							
Danish	1	1,143	1,770	1,839	1,138	1,428.75	2,573
German	1	2,571	3,400	4,176	2,593	2,448.00	.....
Totals	2	3,714	5,170	6,015	3,731	3,876.75	2,573
Panama Bay to Gatun, C. Z.:							
Panaman	2	40	58	92	40	50.00	16
West coast of South America to West Indies:							
British	1	102	152	524	197	109.44	.....
Dutch	1	2,494	3,195	3,981	2,423	2,300.40	.....
Totals	2	2,596	3,347	4,505	2,620	2,409.84	.....
Philippines to east coast United States:							
Japanese	1	4,321	5,716	6,961	4,265	5,401.25	7,035
United States	1	5,259	5,686	6,870	5,259	6,573.75	4,904
Totals	2	9,580	11,402	13,831	9,524	11,975.00	11,939
Hawaii to east coast of United States:							
United States	2	9,634	10,957	13,937	9,603	12,042.50	7,811
West coast of South America to east coast of Canada:							
British	2	10,208	11,930	17,420	11,131	12,760.00	25,000
Far East to east coast United States:							
Japanese	1	3,516	4,773	5,652	3,451	4,395.00	2,895
West coast of South America to Egypt:							
Italian	1	3,441	3,961	5,311	3,844	4,301.25	7,396
Far East to West Indies:							
British	1	3,120	4,802	5,027	3,117	3,900.00	8,520
Far East to Europe:							
British	1	2,965	4,153	4,674	2,961	3,706.25	6,670
West coast Canada to east coast Central America:							
Danish	1	1,938	2,510	3,252	1,985	2,422.50	2,130
Balboa, C. Z., to Europe:							
Peruvian	1	1,475	1,696	2,446	1,548	1,843.75	2,442
Balboa, C. Z., to Cristobal, C. Z.:							
Panaman	1	24	27	40	19	19.44	.....
Gatun Lake, C. Z., to east coast United States:							
Norwegian	[1] 4	[1] 2,659	[1] 2,736	[1] 4,914	[1] 2,771	[1] 3,282.75	963
Totals, September, 1926	210	814,010	1,037,081	1,325,836	815,892	1,014,446.23	1,589,288
Totals, September, 1925	177	650,540	831,240	1,065,616	657,663	807,588.03	1,269,922
Totals, September, 1924	202	785,185	986,076	1,259,222	790,303	973,984.10	1,547,809

[1] These 4 vessels entered the Canal at Cristobal and proceeded as far as Gatun Lake, where, after taking on cargoes of bananas, they returned to the Atlantic entrance of the Canal. As vessels transiting the Canal as far as Gatun Lake only, are entitled to return to Canal port of entry without payment of tolls for return voyage, the only items taken up in connection with these transits in the Pacific-to-Atlantic traffic statistics is the amount of cargo tonnage.

Postal and Cable Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending October 9, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
City of San Francisco	Panama Mail S. S. Co.		October 3		3,695
Cristobal	Panama Railroad S. S. Line		October 3		873
Heredia	United Fruit Co	October 3	October 3	280	84
Lubeck	Kosmos Line	October 3	October 3	119	4[illegible]
Ulua	United Fruit Co.	October 3	October 3	28	(1)
Drechtdyk	Holland-American S. S. Line	October 3	October 4	343	95
Salvador	Pacific Steam Navigation Co	October 3	October 8	400	1,239
Amersfoordt	Royal Netherlands W. I. Mail	October 4	October 4	108½	68
Toloa	United Fruit Co	October 4	October 6	280	67
Hans Leonhardt	Leonhardt & Blumberg	October 4	October 9	700	2,045
Notre Dame de Fourviere	French Line	October 5	October 5	5	14
Chiman	National Navigation Co.	October 5	October 8	213	321
Heredia	United Fruit Co	October 6	October 6	126	126
Turrialba	United Fruit Co	October 6	October 7	435	(2)
Santa Marta	United Fruit Co.	October 6	October 7	381	1[illegible]7
Santa Ana	Grace Line	October 6	October 7	(3)	3
Orita	Pacific Steam Navigation Co.	October 6	October 7	90	29
Favorita	Standard Fruit S. S. Co.	October 7	October 7	275	6
Aconcagua	Chilean Line	October 7	October 7	(3)	12
Panama	Danish East Asiatic Co	October 7	October 7	19	95
Carrillo	United Fruit Co	October 7	October 7	2½	881
Illinois	French Line	October 7	October 9	651	12
Garfield	N. O. & S. A. S. S. Co.	October 7	October 8	42	3
Losada	Pacific Steam Nav. Co.	October 8	October 9	106	67
Oranian	Leyland Line	October 8	October 9	974	(1)
Flandre	French Line	October 8	October 9	1[illegible]9	103
Indiana	French Line	October 8	October 9	103	13
Linda S.	Surgeon Brothers	October 8	October 8	(3)	48
Teutonia	Hamburg-American Line	October 8	October 9	(3)	90
Osiris	Kosmos Line	October 8	October 8	(3)	110
Bowden	United Fruit Co.	October 8	October 9	(3)	521
Atrato	Colombian Transport Co.	October 8		157	
Favorita	Standard Fruit S. S. Co.	October 8	October 9	(3)	423
San Mateo	United Fruit Co.	October 9		42	
Legazpi	Spanish Line	October 9		184	

[1] No cargo laded. [2] 7 cases. [3] No cargo discharged.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending October 9, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Calcutta Maru	Nippon Yusen Kaisha	October 1	October 2	153	
Amsterdam	Royal Netherlands W. I. Mail	October 2	October 3	167	
Salvador	Pacific Steam Navigation Co.	October 3	October 3	1	
City of San Francisco	Panama Mail S. S. Co.	October 3	October 3		11
Chaumont	U. S. Government	October 6	October 8		8
Santa Ana	Grace Line	October 7	October 7	1	
Panama	East Asiatic Co.	October 7	October 8	224	
Salvador	Pacific Steam Navigation Co.	October 8	October 8		1
Hans Leonhardt	Leonhardt & Blumberg	October 9	October 9		27

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

Sale of Scrap Metals, etc.

The Panama Canal offers for sale to the highest bidders a quantity of scrap metals, burlap, and rope. Sealed bids will be received in the offices of the General Purchasing Officer, The Panama Canal, Washington, D. C., and the Chief Quartermaster, The Panama Canal, Balboa Heights, C. Z., up to 10.30 a. m., October 28, 1926, and then opened. Forms of proposal, Circular No. 1762, with full particulars may be had upon application to the above-mentioned officers.

Sale of Surplus Material and Equipment.

The Panama Canal offers for sale, by direct purchase at moderate prices, a quantity of telephones, telephone ringers and bells, bank check writers and protectors, small tools and other miscellaneous articles of general utility. These articles may be inspected at the Obsolete Section of the General Storehouse, Balboa, and purchased through the office of the General Storekeeper. Detailed information with prices may be secured by telephone by dialing Bal. 27 20.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., October 20, 1926. No. 11.

Traffic During the First Fifteen Days of October.

During the first 15 days of October, 225 commercial vessels and 8 small nonseagoing launches transited the Canal. Tolls on the commercial vessels aggregated $1,013,171.31, and on the launches $53.70, or a total tolls collection of $1,013,225.01.

The daily average number of transits of commercial vessels for the month was 15, and the daily average tolls collection $67,544.44. The average amount of tolls paid by each of the commercial transits was $4,502.98, as compared with $4,563.25 for the first 15 days of September.

The largest calendar year's traffic in the history of the Canal was in 1923, when 5,037 commercial vessels transited the Canal, paying $22,966,838.18 in tolls. Should the present volume of traffic be maintained for the remaining months of the present calendar year, based on daily averages for the first 9½ months, total transits for the year would aggregate approximately 5,500, with tolls collections in excess of $24,000,000, and would exceed the record established in 1923, both in number of transits and tolls collected.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 9½ months of the present calendar year, together with the daily averages of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
January	479	$2,103,368.29	15.45	$67,850.59
February	424	1,835,226.47	15.14	65,543.80
March	506	2,206,212.20	16.32	71,168.13
April	425	1,917,457.11	14.16	63,911.90
May	470	2,056,965.55	15.16	66,353.72
June	419	1,852,670.66	13.96	61,755.68
July	456	1,980,719.67	14.71	63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October (first 15 days)	225	1,013,171.31	15.00	67,544.55
Totals	4,314	19,040,459.59	14.98	66,112.71

New Australian-United States Service to be Inaugurated.

The Roosevelt Steamship Company of New York operating for the United States Shipping Board, the American Line, and the Atlantic Australia Line, have announced a new service from Australian ports to the east coast of the United States. It is stated that the service will be opened with the sailing from Adelaide about October 10, of the *Eastern Planet*, followed by the steamer *Easterner*, sailing about November 10.

The same company will operate a direct service from Calcutta to Boston, but schedule of sailings for this service has not yet been announced.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, October 16, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Nuddea	9	19 45	10	6 05	10	12 52	10	13 54	British	Federal Steam Nav. Co.	449 0	58 0	27 3	Avonmouth, Eng.	Brisbane, Australia.	General	5,133	8,249	5,440
Elisha Walker [1]	9	21 35	10	7 15	10	14 10	10	16 50	American	Huasteca Petroleum Co.	429 3	59 2	18 0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,978	5,899
Dorlestar	10	16 15	11	6 15	11	12 58	11	17 35	British	Blue Star Line	499 8	64 0	18 0	Liverpool, England	Vancouver, B. C.	Ballast		11,673	8,143
Plum Branch.	10	19 45	11	6 25	11	13 45	11	14 50	British	F. & W. Ritson.	400 0	54 0	17 8	Liverpool, England	Corral, Chile	General	1,800	5,761	3,881
Navigator [2]	10	13 20	11	6 25	11	14 30	14	10 00	American	L. A. Norris	69 0	19 8	10 9	Boston, Mass	Tahiti, Society Isl'ds	Ballast		61	48
Cerro Ebano [1]	11	1 10	11	7 15	11	14 08	11	16 15	American	Huasteca Petroleum Co.	480 5	66 0	21 0	New Orleans, La.	San Luis, Calif	Ballast		9,398	6,453
Feltore	11	6 48	11	8 40	11	15 52	11	21 50	American	Ore S. S. Corp.	449 1	57 2	16 0	Baltimore, Md.	Cruz Grande, Chile	Ballast		7,808	5,139
City of Boston	11	5 50	11	10 45	11	18 00	11	19 02	British	Norton, Lilly & Co	452 1	57 2	23 3	New York, N. Y.	Sydney, Australia	General	4,532	7,573	5,517
Almagro	10	6 00	11	11 10	11	18 56	11	19 50	British	Pacific Steam Nav. Co	303 4	43 0	19 3	New York, N. Y.	Callao, Peru	General	2,400	2,878	1,714
Gargoyle [1]	11	10 52	11	12 09	11	19 45	11	20 40	American	Vacuum Oil Co	425 0	57 2	19 0	Paulsboro, N. J.	Pt. Richmond, Cal.	Ballast		7,510	4,989
Legazpi	9	18 00	11	12 55	11	20 50	11	21 54	Spanish	Spanish Line	375 5	47 0	18 10	Barcelona, Spain.	Valparaiso, Chile.	General	268½	4,506	2,827
Titan	11	11 43	11	14 00	11	21 42	11	22 38	British	Alfred Holt & Co	485 8	58 3	29 6	New York, N. Y	Singapore, Malay Peninsular.	Asphalt, tinplate, iron, tobacco.	8,762	9,303	6,386
Baboon [2]	8-3	19 30	11	9 15					American	Ben Ames, Jr	44.5	14 0	.	New York, N. Y.	Los Angeles, Calif.	Ballast		19	17
Doreas [3]			11		11	13 22			American	M. James				Cristobal, C. Z.	Gatun, C. Z	Ballast		3	3
Ferneliff [1]	11	18 20	12	6 15	12	15 07	12	19 40	Norwegian	Fern Line	386 0	53 6	24 10	Galveston, Tex	Yokohama, Japan.	(7)	7,040	6,112	4,284
Eastern Moon.	11	20 40	12	6 20	12	15 54	12	16 55	American	Roosevelt S. S. Co	385 0	51 0	19 9	New York, N. Y.	Adelaide, Australia.	Case oil, general	2,526	5,904	4,321
Chateau Thierry [5]	12	7 00	12	7 20	12	16 15	13	13 40	American	U. S. Army	436 9	58 2	26 0	Brooklyn, N. Y.	Honolulu, T. H.	Army supplies.	754	8,407	5,212
Californian [4]	11	23 30	12	8 04	12	16 53	12	18 00	American	Amer.-Hawaiian Line	445 1	59 8	22 7	Boston, Mass.	Portland, Oreg	General	6,210	8,567	6,020
Deuel	12	1 15	12	9 35	12	17 39	13	4 05	American	Grace Line	410 3	54 2	22 0	New York, N. Y.	San Antonio, Chile	General	6,500	6,693	4,943
Erfurt [4]	11	10 43	12	11 00	12	17 58	12	19 02	German	Roland Line	369 0	51 0	22 3	Bremen, Germany	Champerico, Guat.	General	3,749	5,038	3,533
Corvus	12	6 30	12	11 00	12	18 58	12	21 02	American	Planet Line	410 5	54 0	24 6	New York, N. Y.	Vancouver, B. C.	Steel, general	7,186	6,694	4,655
Targis	11	23 35	12	12 15	12	19 47	13	12 50	German	Roland Line	428 6	55.1	24.8	Hamburg, Germany	Valparaiso, Chile.	General	5,350	7,533	5,413
Jacksonville [4]	12	10 25	12	13 30	12	20 42	13	15 45	American	Grace Line	333 8	48 0	19 0	New York, N. Y.	Antofagasta, Chile.	General	2,864	4,128	2,664
Corio	12	19 20	13	6 30	13	14 58	13	16 35	British	New Zealand Ship. Co	331 0	47 9	19 6	Montreal, Canada	Sydney, Australia.	General	4,164	3,792	2,380
Canadian Scottish	12	21 25	13	6 30	13	13 16	13	15 45	British	Can. Gov. Mer. Marine	400 0	52 2	22 2	Montreal, Canada	Auckland, N. Z.	General	3,751	5,905	4,129
Emidio [1]	13	00 05	13	7 30	13	14 43	13	15 45	American	General Petroleum Co.	435 0	56 2	19 0	Baltimore, Md	Los Angeles, Calif.	Ballast		7,433	5,058
William Perkins	13	1 35	13	7 30	13	15 34	13	16 35	American	Garland S. S. Corp.	409 8	54 2	21 0	Philadelphia, Pa.	Los Angeles, Calif	General	3,577	6,757	4,919
Sucrosa [4]	13	7 10	13	8 47	13	16 24	13	17 40	American	Crew, Levick & Co	389 0	54 7	19 0	Philadelphia, Pa.	Los Angeles, Calif	Ballast		6,190	3,381
Agwistone [4]	13	7 55	13	9 35	13	16 59	13	17 55	American	International S. S. Co.	500 0	68 0	19 0	New York, N. Y.	Los Angeles, Calif.	Ballast		10,853	7,804
Hannawa	13	8 15	13	10 45	13	18 17	13	19 16	American	Sudden & Christensen.	440 0	56 0	18 0	Savannah, Ga.	Portland, Oreg	General	4,122	8,300	6,020
Robert Luckenbach	13	8 05	13	11 35	13	19 18	13	20 20	American	Luckenbach Line	445 0	58 0	25 0	Boston, Mass.	Tacoma, Wash.	General	6,500	8,695	6,375
Golden Gate	13	12 22	13	12 33	13	20 16	14	00 15	Norwegian	So. Alberta Lumber Co.	380 0	53 0	23 6	Port Manati, Cuba	Yokohama, Japan.	Sugar in bags	6,800	5,616	3,879
Sulanierco	13	12 37	13	13 15	13	21 09	13	22 22	American	Transmarine Lines.	324 0	46 2	15 6	New Orleans, La.	San Francisco, Cal	General	1,595	3,984	2,628
Royalstar	13	21 55	14	6 10	14	15 50	15	2 15	British	The Cuba Trading Co.	450 0	58.5	24 2	Tarafa, Cuba	Kobe, Japan	Sugar	7,700	8,561	5,815
Fortuna [6]	8	21 30	14	6 15	14	16 30	15	16 55	German	E. Von Breymann	91.0	22 6	7.0	Hamburg, Germany	Buenventura, Col.	Cement	72	96	60

[1] Tanker. [2] Yacht. [3] Launch. [4] Motor ship. [5] Transport. [6] Auxiliary schooner. [7] Phosphate, cotton, and lubricating oil.

Manchuria	14	6.35	14	7.25	14	14.53	14	23.05	American	Panama-Pacific Line	600.0	65.3	25.10	New York, N. Y.	San Francisco, Cal.	Paper, dry goods	2,140	17,044	11,488
Pacific Fir	13	22.20	14	8.40	14	16.17	14	22.38	American	Ocean Transport Co	410.5	54.0	20.0	Jacksonville, Fla.	Seattle, Wash.	General	3,200	6,622	4,882
Invincible	13	23.40	14	9.35	14	17.28	14	19.15	American	American Pioneer Line	440.0	56.0	28.8	New Orleans, La.	Darien, China	General	9,352	8,329	6,157
Canadolite [4] [2]	14	2.20	14	10.55	14	18.04	14	19.35	British	Imperial Oil Co	510.9	68.0	20.0	Montreal, Canada	Los Angeles, Calif.	Ballast		11,556	7,658
Silveray [4]	14	4.35	14	12.20	14	19.05	14	20.36	British	Kerr S. S. Line	395.0	57.0	20.6	Santiago de Cuba	Far East	General	6,097	7,650	5,925
Ciricito [8]			14		14	8.23			American	San Blas Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		8	8
Ebro	14	17.35	15	6.04	15	13.20	15	14.35	British	Pacific Steam Nav. Co.	450.0	57.0	27.5	New York, N. Y.	Talcahuano, Chile	General	2,768	9,291	6,301
Stella	12	21.50	15	6.10	15	15.13	15	16.55	Norwegian	Panama Mail S. S. Co.	195.1	32.9	16.0	Cristobal, C. Z.	Buenaventura, Col.	General	1,450	985	606
Harold Walker [1]	14	16.15	15	7.20	15	13.40	15	14.35	American	Huasteca Petroleum Co.	439.0	58.2	17.0	New York, N. Y.	Los Angeles, Calif.	Ballast		6,973	4,523
Kari Skogland	15	4.35	15	8.30	15	16.07	15	19.50	Norwegian	Balfour Williamson Co.	376.6	48.7	26.6	Stavanger, Norway	Los Angeles, Calif.	Coke, manganese	6,020	5,381	3,838
Canadian Skirmisher	15	2.15	15	10.20	15	16.57	15	18.14	British	Can. Gov Mer. Marine	490.0	52.3	15.0	Glasgow, England	Vancouver, B. C.	General	640	6,174	4,323
Cubore [4]	14	7.35	15	11.00	15	17.53	15	23.55	American	Ore S. S. Corp	450.6	57.2	15.6	Norfolk, Va.	Cruz Grande, Chile	Ballast		7,956	4,866
Atlantic Sun [1]	14	16.10	15	12.05	15	19.12	18	17.40	American	Sun Oil Co	429.3	59.2	18.7	Rouen, France	Los Angeles, Calif	Ballast		7,568	5,283
New Britain	14	22.20	15	13.00	15	20.04	15	21.33	American	Williams S. S. Line	386.8	52.2	20.3	Baltimore, Md.	San Diego, Calif.	General	3,700	5,684	4,082
A. C. Bedford [1]	14	18.15	16	6.25	16	13.30	16	14.45	American	Standard Oil Co	500.0	68.0	18.6	Cristobal, C. Z.	Los Angeles, Calif	Ballast		10,896	7,688
Bennekom	14	6.10	16	6.00	16	13.54	17	2.10	Dutch	Royal Neth. W. I. Mail	449.7	58.0	17.8	Hamburg, Germany	Corral, Chile	General	2,535	7,849	5,806
Cardiganshire	15	9.55	16	7.13	16	14.59	16	16.05	British	Royal Mail S. P. Co	500.3	62.4	21.3	Rotterdam, Holland	Los Angeles, Calif.	General	3,316	11,420	8,385
W. M. Irish [1]	15	15.45	16	7.35	16	15.20	16	16.30	American	Atlantic Refining Co	435.0	56.0	20.0	Hamburg, Germany	Los Angeles, Calif.	Ballast		7,387	5,443
Foldenfjord [1]	15	17.15	16	8.28	16	15.46	16	19.55	Norwegian	Anglo-Saxon Pet. Co.	430.4	59.3	17.0	Hamburg, Germany	Los Angeles, Calif.	Ballast		7,780	5,520
Sumanco	15	23.55	16	8.40	16	17.03	16	19.45	American	Transmarine Lines	324.0	46.2	16.0	Newark, N. J.	Los Angeles, Calif.	General	2,500	3,984	2,628
Genevieve Lykes	16	00.05	16	9.00	16	16.45	16	17.45	American	Lykes Brothers	253.4	43.8	16.0	Galveston, Tex	Callao, Peru	Cattle, hogs	180	2,968	2,078
Banan	14	11.18	16	10.00	16	18.15	16	18.15	Norwegian	United Fruit Co	250.0	34.0	13.6	Mobile, Ala	Gatun, C. Z. [10]	Bananas	258	1,680	987
American	16	6.30	16	10.50	16	17.33	16	19.45	American	Amer.-Hawaiian Line	404.6	53.9	21.0	Boston, Mass	Tacoma, Wash	General	5,583	6,789	4,746
Havana Maru	16	7.47	16	11.00	16	18.31	16	19.55	Japanese	Osaka Shosen Kaisha	407.3	50.0	23.0	Boston, Mass.	Shanghai, China	General, cotton	5,246	6,538	4,769
Port MacQuarie	15	22.03	16	12.10	16	19.41	16	21.15	British	Com'lth & Dom. Line	426.0	54.0	24.8	New York, N. Y.	Sydney, Australia	General	4,702	7,553	5,405
Launch Eno			16		16	10.48			American	United Fruit Co				Cristobal, C. Z.	Gatun, C. Z	(11)		6	6
Gen. Wm. M. Graham [9]			16	7.30	16	15.20			American	U. S. Army	156.0	32.0		Cristobal, C. Z.	Balboa, C. Z	Ballast			
Launch No. 55			16		16	14.59			American	U. S. Army				Cristobal, C. Z.	Balboa, C. Z	Ballast			

[1] Tanker. [8] Launch. [9] Mine planter. [10] And return to Mobile, Ala. [11] Towing barge *No. 14*.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Edgar Bowling	9	12.47	10	6.30	10	13.45	10	13.45	American	Garland S. S. Line	410.5	54.3	25.6	Aberdeen, Wash.	New York, N. Y.	Lumber	7,670	6,568	4,909
Calgarolite [1]	9	16.15	10	7.09	10	15.10	10	15.10	British	Imperial Oil, Ltd	463.3	60.2	28.7	Lobitos, Peru	Halifax, Canada	Crude oil	12,000	8,491	5,940
Mineola	9	23.30	10	8.13	10	15.35	12	1.30	American.	N. O. & S. A. S. S. Line	298.6	40.0	19.10	Iquique, Chile	New Orleans, La.	General	2,630	2,835	1,805
Commercial Traveler	9	23.55	10	14.53	10	22.50	10	22.50	American	Moore & McCorm'k Co.	380.0	53.0	23.6	Aberdeen, Wash.	New York, N. Y.	Lumber	6,300	5,657	4,247
Curlew [12]	8	14.00	11	6.17	11	12.52	11	12.53	British	British Government.	450.0	46.6	16.6	La Libertad, Sald'r	Bermuda, B. W. I.				
Defender	10	15.00	11	7.33	11	16.30	11	22.25	British	Balfour Guthrie & Co.	482.3	58.3	27.0	Vancouver, B. C.	Liverpool, England	General	10,323	8,844	6,144
Santa Luisa	11	4.09	11	8.07	11	17.37	11	20.30	American	Grace Line	360.2	51.6	25.6	Talcahuano, Chile	New York, N. Y.	General	4,129	5,710	3,998
U. S. S. Seattle	6	13.30	11	9.24	11	18.35	14	23.25	American	U. S. Navy	504.0	72.10	26.4	San Diego, Calif.	Guantanamo, Cuba				
Myrtle	11	12.45	11	13.35	11	21.20	11	21.20	American	Col'an-Pacific Ship. Co.	410.5	54.2	26.10	Portland, Oreg.	New York, N. Y.	Lumber	6,947	6,755	4,895
Chilore	12	00.30	12	5.56	12	15.50	12	15.50	American	Ore S. S. Corp	550.0	72.25	34.0	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	14,538	9,348
Yorba Linda [1]	11	20.12	12	7.06	12	17.05	12	22.30	American	Standard Transp. Co.	435.0	56.2	27.6	Los Angeles, Calif.	Bordeaux, France	Gasoline	8,896	7,424	5,077
Fred W. Weller [1]	11	16.00	12	7.57	12	18.05	12	18.05	American	Standard Oil Co. of N. J.	500.0	68.0	30.4	Los Angeles, Calif.	Montreal, Canada	Crude oil	15,800	10,928	7,710
Leon XIII	12	3.00	12	8.30	12	17.15	14	3.10	Spanish	Spanish Line	410.4	46.0	23.0	Valparaiso, Chile	Barcelona, Spain	General	1,803	5,521	3,729

[1] Tanker. [12] Light cruiser.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Perene	11	11.45	12	8.50	12	19.30	.....	.....	Peruvian	Peruvian Line	270.0	39.0	18.0	Callao, Peru	New York, N. Y.	General	2,313	2,168	1,529
Florence Luckenbach	12	5.50	12	9.30	12	18.20	12	18.20	American	Luckenbach Line	401.8	52.2	24.0	Seattle, Wash	Poughkeepsie, N.Y.	Lumber	6,924	6,092	4,621
Olean [1]	12	8.50	12	10.21	12	19.30	12	19.30	American	Vacuum Oil Co	430.0	58.2	27.0	Los Angeles, Calif.	New York, N. Y.	Gas, oil	10,431	7,373	5,486
A. L. Kent	12	8.50	12	10.41	12	20.26	13	4.54	American	Mystic S. S. Co	394.1	55.1	26.0	Vancouver, B. C.	Avonmouth, Eng.	General	7,090	7,047	5,030
Dorothy Luckenbach	12	10.40	12	11.29	12	20.30	12	20.30	American	Luckenbach Line	448.8	60.2	30.6	Portland, Oreg	Boston, Mass	General, lumber	11,294	9,294	6,861
Stella	12	11.00	12	12.12	12	21.50	15	6.10	Norwegian	Panama Mail S. S. Co.	195.1	32.9	10.0	Buenaventura, Col.	Cristobal, C. Z.	Ballast		985	636
Chifuku Maru	12	11.45	12	13.02	12	22.40	12	23.35	Japanese	Kab'ki Kaisha Kawa'ki	385.0	51.0	26.5	Seattle, Wash	Azores [14]	Wheat	7,368	5,919	4,490
Grangepark	12	20.45	13	7.10	13	15.00	13	21.40	British	Dominion Nav. Co.	440.4	52.3	23.0	Vancouver, B. C.	St. John, N. B.	Lumber, general	6,000	5,719	4,022
Heffron	12	22.00	13	7.41	13	16.20	13	16.20	American	Heffron S. S. Co	440.0	56.0	26.6	Everett, Wash	Baltimore, Md	Lumber	9,000	8,299	6,087
Dakotan	13	1.30	13	8.47	13	16.55	13	16.55	American	Amer.-Hawaiian Line	407.7	53.7	26.6	Seattle, Wash	Boston, Mass	General	8,221	7,156	5,158
Willsolo	13	5.50	13	9.36	13	17.35	14	17.35	American	Williams S. S. Line	434.3	57.2	26.6	Seattle, Wash	New York, N. Y.	General, lumber	9,000	7,983	5,882
Kenowis [13]	12	7.02	13	11.53	13	18.45	15	13.13	American	U. S. Army	390.0	54.2	.....	San Francisco, Cal.	New York, N. Y.	Govt. supplies	64	.....	.....
Anatolia	13	12.15	13	13.22	13	20.00	13	20.40	German	Roland Line	315.8	46.10	12.10	Buenaventura, Col.	Galveston, Tex.	Ballast	.....	3,599	2,463
Peter Kerr	13	13.00	13	13.55	13	21.50	13	21.50	American	Arrow Line	415.0	55.6	27.0	Portland, Oreg	Baltimore, Md	Lumber, copper	8,784	7,704	5,707
W. W. Mills [1]	13	19.00	14	6.24	14	14.35	14	19.15	American	Pure Oil S. S. Co	425.0	58.0	26.0	Los Angeles, Calif	New York, N. Y.	Gasoline	9,600	7,333	5,119
Melpomene [1]	14	5.43	14	7.24	14	15.50	14	21.00	French	Cie.Aux.de Navigazione	425.8	56.7	28.3	Los Angeles, Calif.	Thameshaven, Eng	Gasoline	9,294	7,085	5,050
Corinthic	13	23.36	14	8.00	14	16.05	14	22.30	British	Shaw, Savill & Albion	500.3	63.3	24.6	Wellington, N. Z.	Southampton, Eng.	General, frozen	4,087	12,821	9,507
U. S. S. Rochester [18]	8	13.14	14	8.52	14	16.35	14	17.15	American	U. S. Navy	384.6	64.0	28.3	Balboa, C. Z	Bluefields, Nic'gua.	.....	.....	.....	.....
A. C. Bedford [1]	13	9.30	14	8.59	14	18.15	16	6.25	American	Standard Oil Co.of N.J.	500.0	68.0	30.0	Los Angeles, Calif	Cristobal, C. Z.	Fuel oil	10,909	10,896	7,688
Centaurus	14	1.30	14	9.27	14	17.55	14	17.55	American	Planet Line	400.9	54.2	24.3	Everett, Wash	Providence, R. I.	(15)	7,500	6,581	4,795
James McGee [1]	14	1.30	14	10.40	14	21.15	14	21.15	American	Standard Oil Co. of N.J.	499.1	68.2	23.0	Talara, Peru	Charleston, S. C.	Crude oil	15,000	10,964	7,909
Port Dunedin	13	20.30	14	11.02	14	18.55	14	18.55	British	Com'lth & Dom. Line	466.9	59.8	23.0	Auckland, N. Z.	London, England	Frozen, general	4,127	9,959	7,226
Kermit	14	10.30	14	11.30	14	23.10	15	3.55	American	United American Lines	471.1	59.2	27.6	Seattle, Wash	Hamburg, Germany	General	9,682	9,032	6,655
Onondaga	14	5.00	14	12.04	14	23.30	14	23.30	American	Ford Motor Co	251.0	43.6	20.0	Seattle, Wash	New York, N. Y.	(17)	2,778	2,656	1,632
H. C. Folger [1]	14	16.40	15	6.04	15	14.12	15	14.12	American	Atlantic Refining Co	435.0	56.0	26.10	Los Angeles, Calif	Philadelphia, Pa.	Gasoline	9,127	7,461	5,159
Chile Maru	14	18.15	15	7.24	15	15.50	15	20.50	Japanese	Kokusai Kisen Kaisha	385.0	51.0	15.0	Kohsichang, Siam	Habana, Cuba	Rice	7,129	5,923	4,499
Redbird	14	19.30	15	8.12	15	16.40	15	16.40	American	Munson S. S. Line	324.0	46.1	23.0	Seattle, Wash	New York, N. Y.	Lumber, general	4,675	3,965	2,573
H. H. Asquith	15	6.00	15	9.37	15	17.40	15	19.20	British	Williams & Mordey, Ltd.	390.0	52.5	23.6	Vancouver, B. C.	New York, N. Y.	Lumber	5,850	.....	.....
Lochmonar [16]	15	7.55	15	10.06	15	18.13	15	23.40	British	Royal Mail S. P. Co.	484.7	62.2	29.7	Vancouver, B. C.	Rotterdam, Holland	General	8,706	10,766	7,512
J. M. Danziger [1]	15	12.38	15	13.30	15	21.40	15	21.40	American	Huastera Petroleum Co.	430.0	58.0	27.0	Los Angeles, Calif	New York, N. Y.	Fuel oil	10,000	6,963	4,886
San Roberto [1]	15	11.00	16	6.10	16	14.40	16	14.40	British	Anglo-Mexican Pet. Co.	407.0	54.0	27.0	Los Angeles, Calif	London, England	Gasoline	7,270	6,239	4,350
Agwibay [1]	15	16.20	16	7.33	16	16.15	16	16.15	American	Inter. Shipping Corp	468.3	62.7	29.2	Los Angeles, Calif	New York, N. Y.	Crude oil	12,600	9,776	6,903
Orcoma	15	23.00	16	8.09	16	16.45	16	19.26	British	Pacific Steam Nav. Co.	511.6	62.25	27.6	Talcahuano, Chile	Liverpool, England	General	6,121	12,414	8,302
Jacob Luckenbach	16	4.00	16	9.25	16	17.15	16	23.15	American	Luckenbach Line	414.5	53.7	28.0	Portland, Oreg	Galveston, Tex.	General	7,376	.....	.....

[1] Tanker. [13] U. S. Army transport. [14] For orders. [15] Lumber and canned goods. [16] Motor ship. [17] Lumber and automobile parts. [18] Light cruiser.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
October 10	Cartago	United Fruit Co	New Orleans via Habana.	October 10	San Mateo	United Fruit Co	New York via Habana.
October 10	Toloa	United Fruit Co	Port Limon, Costa Rica.	October 10	Toloa	United Fruit Co	New York via Habana.
October 11	Calamares	United Fruit Co	New York via Habana.	October 10	Cartago	United Fruit Co	Bocas del Toro, R. P.
October 12	Abangarez	United Fruit Co	New Orleans via Habana.	October 10	Gilmer [20]	U. S. Navy	Bluefields, Nicaragua.
October 13	Cartago	United Fruit Co	Bocas del Toro, R. P.	October 13	Cartago	United Fruit Co	New Orleans via Habana.
October 13	Ariguani	Elders & Fyffes, Ltd	Avonmouth via wayports.	October 13	Ariguani	Elders & Fyffes, Ltd	Port Limon, Costa Rica.
October 13	Ancon	Panama Railroad S. S. Line	New York via Haiti.	October 13	Calamares	United Fruit Co	Port Limon, Costa Rica.
October 13	Tivives	United Fruit Co	New York via Kingston.	October 13	Williness [19]	M. Cosarageis	Colon, R. P.
October 13	Venezuela	Royal Netherlands W. I. Mail	Amsterdam via wayports.	October 14	Venezuela	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
October 13	Williness [19]	M. Cosarageis	Colon, R. P.	October 14	Tivives	United Fruit Co	Colombian ports.
October 14	Geo. Whittaker [19]	Geo. Whittaker	Colon, R. P.	October 14	Santa Marta	United Fruit Co	New York via Kingston.
October 14	Santa Marta	United Fruit Co	Colombian ports.	October 14	Abangarez	United Fruit Co	New Orleans via wayports.
October 14	Abessinia	Hamburg-American Line	Hamburg, Germany.	October 14	Abessinia	Hamburg-American Line	Tampico, Mexico.
October 14	Virginia	Standard Fruit S. S. Co	New Orleans, La.	October 15	Virginia	Standard Fruit S. S. Co	San Blas, R. P.
October 15	M. F. Benefit [19]	F. Britton	Colon, R. P.	October 15	Geo. Whittaker [19]	Geo. Whittaker	Colon, R. P.
October 16	Virginia	Standard Fruit S. S. Co	San Blas, R. P.	October 15	M. F. Benefit [19]	F. Britton	Colon, R. P.
October 16	Ariguani	Elders & Fyffes, Ltd	Port Limon, Costa Rica.	October 16	Ariguani	Elders & Fyffes, Ltd	Kingston, Jamaica.
October 16	Venezuela	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.	October 16	Virginia	Standard Fruit S. S. Co	New Orleans, La.
October 16	Limon	United Fruit Co	New York via wayports.	October 16	U. D. Vinton [19]	G. I. Bryan	Bluefields, Nicaragua.
October 16	U. D. Vinton [19]	G. I. Bryan	Colon, R. P.	October 16	Venezuela	Royal Netherlands W. I. Mail	Amsterdam via wayports.

[19] Schooner. [20] Destroyer.

* Other than ships passing through the Canal.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Atlantic to the Pacific, September, 1926.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.							Asia.					Australasia.					
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America.	West coast of North America.[1]	Balboa, C. Z.[2]	Hawaii.	Total, North America.	Japan.	China.	Philippines.	Far East.[1]	Total, Asia.	Australia.	New Zealand.	Australasia.[1]	Total, Australasia.	Grand totals.	Per cent of total cargo.
North America:																								
United States—																								
North Atlantic ports				4,294	22,276	26,570	175,619	1,645		10,723			187,987	4,635	9,967	2,345	38,412	55,359	42,165	7,776		49,941	319,857	49.2
South Atlantic ports														230			2,190	2,420					2,420	0.4
Gulf ports	1,580				2,382	3,962	24,677	4,300					28,977	8,332	23,114		7,296	38,742	6,304		7,375	13,679	85,360	13.1
Totals, United States	1,580			4,294	24,658	30,532	200,296	5,945		10,723			216,964	13,197	33,081	2,345	47,898	96,521	48,469	7,776	7,375	63,620	407,637	62.7
Cristobal, C. Z.[2]		1,483			2,175	3,658	1,092	22	5,461	361			6,936										10,594	1.6
East coast of Canada								3,240					3,240						8,100	7,747		15,847	19,087	2.9
West Indies							4,475						4,475		22,119			22,119		7,450		7,450	34,044	5.3
E. coast of Mexico and C. A.	6,082					6,082																	6,082	0.9
Totals, North America	7,662	1,483		4,294	26,833	40,272	205,863	9,207	5,461	11,084			231,615	13,197	55,200	2,345	47,898	118,640	56,569	22,973	7,375	86,917	477,444	73.4
Europe:																								
British Isles					8,763	8,763	156	11,921					12,077							28,585		28,585	49,425	7.6
Belgium							12,026	1,935		1,590			15,551										15,551	2.4
Denmark							95						95										95	
France	1,077					1,077																	1,077	0.2
Germany		485			229	714	7,167	105	2,049	22			9,343										10,057	1.5
Holland					54	54	15,632	200		1,146			16,978										17,032	2.6
Italy					215	215																	215	
Norway and Sweden							187		1,401				1,588										1,588	0.3
Spain and Portugal					163	163																	163	
Europe[1]		620			29,779	30,399	20,722		850	6,265			27,837										58,236	9.0
Totals, Europe	1,077	1,105			39,203	41,385	55,985	14,161	4,300	9,023			83,469							28,585		28,585	153,439	23.6
East coast of South America							6,475	10,009					16,475	1,314			1,587	2,901					19,376	3.0
Grand totals	8,739	2,588		4,294	66,036	81,657	268,323	33,368	9,761	20,107			331,559	14,511	55,200	2,345	49,485	121,541	56,569	51,558	7,375	115,502	650,259	100.0
Per cent of total cargo:																								
September, 1926	1.4	0.4		0.7	10.1	12.6	41.2	5.1	1.5	3.1			50.9	2.2	8.5	0.4	7.6	18.7	8.7	8.0	1.1	17.8	100.0	
September, 1925	5.9	0.4	0.2	1.3	11.6	19.4	41.1	1.3	1.7	2.5		1.5	48.1	4.1	4.5	1.3	7.4	17.3	8.0	5.0	2.2	15.2	100.0	
September, 1924	6.4	0.1	0.1	0.4	10.2	17.2	32.0	1.5	1.1	1.7	2.6	0.5	39.4	8.6	3.6	1.8	7.2	21.2	5.6	7.4	9.2	22.2	100.0	

[1] General cargo not routed so as to allow segregation among definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, September, 1926.

(Figures represent tons of 2,240 pounds.)

From—	North America. United States. North Atlantic ports.	North America. United States. South Atlantic ports.	North America. United States. Gulf ports.	North America. United States. Total, United States.	North America. East coast of Canada.	North America. West Indies.	North America. East coast of Central America.	North America. Cristobal, C. Z.[2]	North America. Total, North America.	Europe. British Isles.	Europe. Belgium.	Europe. Denmark.	Europe. France.	Europe. Germany.	Europe. Holland.	Europe. Italy.	Europe. Norway and Sweden.	Europe. Spain and Portugal.	Europe. Europe.[1]	Europe. Total, Europe.	East coast of South America.	Egypt.	Grand totals.	Per cent of total cargo.
South America:																								
Chile	114,400		8,800	123,200				1	123,201	16,821	2,092		3,219	1,686	187	2,338		3,259	22,185	51,787		7,396	182,384	11.5
Colombia	1,586			1,586				1,601	3,187														3,187	0.2
Ecuador	1,085			1,085				703	1,788	31			15			736		90	533	1,405			3,193	0.2
Peru	11,063	13,200		24,263	25,000			12	49,275	24,799	1,436								4,323	30,558			79,833	5.0
W. coast So. Am.[1]	1,278			1,278				378	1,656	3,166				1,276					3,553	7,995			9,651	0.6
Totals, So. Am.	129,412	13,200	8,800	151,412	25,000			2,695	179,107	44,817	3,528		3,234	2,962	187	3,074		3,349	30,594	91,745		7,396	278,248	17.5
North America:																								
West coast, Canada	48,650			48,650	20,344	525	500		70,019	18,116			321	1,065	1,250	100			9,492	30,344			100,363	6.1
W. coast Cen. Am.	2,580			2,580				2,240	4,820	2,442										2,442			7,262	0.5
W. coast U. S.	719,129	3,459	31,984	754,572	63,714	2,926	1,630	44,954	867,796	114,733	2,003		1,981	29,288	1,073	7,121			84,222	243,421	1,121		1,112,338	70.0
Hawaii	5,068		872	5,940					5,949														5,940	0.3
Balboa			963	963					963														963	0.1
W. coast N. Am.[1]	323			[3] 323					323	5,752		40							11,619	17,411			17,734	1.1
Totals, N. Am.	775,750	3,459	33,819	813,028	84,058	3,451	2,130	47,194	949,861	141,043	2,003	40	2,302	30,353	5,323	7,221			105,333	293,618	1,121		1,244,600	78.3
Asia:																								
China	1,270			1,270					1,270														1,270	0.1
Japan	52			52					52	40										40			92	...
Philippines	10,171			10,171					10,171														10,171	0.6
Far East[1]	3,341			3,341		8,520			11,861														11,861	0.8
Totals, Asia	14,834			14,834		8,520			23,354	40										40			23,394	1.5
Australasia:																								
Australia	850			850					850														850	0.1
New Zealand	1,678			1,678	70				1,748	24,630										24,630			26,378	1.6
Australasia[1]																	7,000		8,818	15,818			15,818	1.0
Totals, Austral'ia	2,528			2,528	70				2,598	24,630							7,000		8,818	40,448			43,046	2.7
Grand totals	922,524	16,659	42,619	981,802	109,128	11,971	2,130	49,889	1,154,920	210,530	5,531	40	5,536	33,315	5,510	10,295	7,000	3,349	144,745	425,851	1,121	7,396	1,589,288	100.0
Per cent of total cargo:																								
September, 1926	58.0	1.0	2.7	61.7	6.8	0.8	0.1	3.2	72.6	13.3	0.3		0.3	2.1	0.3	0.6	0.5	0.2	9.2	26.8	0.1	0.5	100.0	.....
September, 1925	57.4	0.3	3.7	61.4	5.3	0.7	0.2	1.5	69.1	17.2	0.3	0.5	1.0	1.8	0.2		1.8	0.5	5.7	29.0		1.9	100.0	.....
September, 1924	60.8	1.1	3.2	65.1	3.2	1.5	2.3	0.4	72.5	14.5	0.8		1.6	0.5		0.3		0.8	7.0	25.5	0.5	1.5	100.0	...

[1] General cargo not routed so as to allow segregation among definite ports.

[2] Includes both local and transit cargo.

[3] Bananas from Gatun Lake.

Revision of Telephone Directory.

The copy for a revised telephone directory, to be issued as of January 1, 1927, will go to the printer November 8, 1926. All changes or corrections in the present directory should be forwarded to the Telephone Supervisor, Balboa Heights, not later than November 1, 1926. Proof corrections will be made to December 1, 1926.

Traffic by Nationality for September, 1926.

The following tabulations show the commercial traffic through the Canal during the month of September, 1926, classified according to nationality of vessels, by direction of transit, and the combined traffic in both directions, together with corresponding totals for September, 1925 and 1924:

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
British	69	258,065	337,271	420,387	257,924	$301,476.17	228,601
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	2,105
Colombian	1	81	92	153	68	101.25	152
Danish	1	4,207	5,286	6,636	4,236	5,258.75	8,669
Danzig	2	11,888	16,252	17,918	10,203	11,701.44	.....
Dutch	3	16,468	20,076	27,096	16,008	20,585.00	6,926
French	4	16,196	19,002	25,630	15,665	18,436.00	9,061
German	9	23,208	31,343	37,604	23,326	28,909.00	26,865
Italian	4	16,741	19,212	26,246	15,969	19,129.97	5,971
Japanese	4	17,684	22,066	27,878	17,899	21,957.70	16,264
Norwegian	15	22,438	29,223	38,912	22,866	27,988.60	18,903
Panaman	4	1,584	2,813	3,972	2,790	1,936.50	3,937
Peruvian	1	2,073	2,621	3,287	1,993	2,591.25	2,879
Spanish	1	2,960	3,729	5,087	3,000	3,700.00	184
Swedish	6	15,176	23,383	25,474	18,771	18,970.00	22,414
United States	111	480,134	612,649	771,552	477,449	518,048.56	297,328
Totals, September, 1926	236	892,415	1,149,723	1,445,142	892,143	1,005,180.19	650,259
Totals, September, 1925	211	782,727	999,799	1,274,106	787,789	885,135.08	622,066
Totals, September, 1924	193	776,549	990,137	1,257,809	777,085	858,951.23	564,455

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
Belgian	1	3,217	4,064	5,196	3,175	$4,021.25	7,283
British	53	204,387	264,461	332,921	207,092	255,332.74	344,539
Chilean	1	3,479	4,672	7,289	3,886	4,348.75	5,338
Colombian	1	81	92	153	68	101.25	153
Danish	3	7,300	9,597	11,736	7,367	9,125.00	14,065
Danzig	3	14,090	17,259	22,070	12,591	17,612.50	30,199
Dutch	5	21,927	30,515	35,240	21,945	26,591.65	36,769
French	3	10,297	13,589	16,876	10,470	12,871.25	18,699
German	6	19,171	27,649	31,443	19,129	23,198.00	31,352
Italian	4	17,183	20,605	26,657	16,915	21,478.75	28,644
Japanese	2	7,837	10,489	12,613	7,716	9,796.25	9,930
Norwegian	7	20,427	27,055	33,724	20,364	25,300.79	47,487
Panaman	6	2,945	5,421	6,444	4,146	3,670.69	1,475
Peruvian	2	4,976	5,240	7,209	4,637	6,096.55	6,684
Spanish	1	3,284	3,897	5,617	3,342	4,105.00	2,182
Swedish	4	11,140	13,722	37,186	13,459	13,744.01	47,350
United States	108	462,269	578,754	733,462	459,590	577,051.80	957,139
Totals, September, 1926	210	814,010	1,037,081	1,325,836	815,892	1,014,446.23	1,589,288
Totals, September, 1925	177	650,540	831,240	1,065,616	657,663	807,588.03	1,269,922
Totals, September, 1924	202	785,185	986,076	1,259,222	790,303	973,984.10	1,547,809

COMBINED TRAFFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
Belgian	1	3,217	4,064	5,196	3,175	$4,021.25	7,283
British	122	462,452	601,732	753,308	465,016	556,808.91	573,140
Chilean	2	6,991	9,377	14,599	7,862	8,738.75	7,443
Colombian	2	162	184	306	136	202.50	305
Danish	4	11,507	14,883	18,372	11,603	14,383.75	22,734
Danzig	5	25,978	33,511	39,988	22,794	29,313.94	30,199
Dutch	8	38,395	50,591	62,336	37,953	47,176.65	43,695
French	7	26,493	32,591	42,506	26,135	31,307.25	27,760
German	15	42,379	58,992	69,047	42,455	52,107.00	58,217
Italian	8	33,924	39,817	52,903	32,884	40,608.72	34,615
Japanese	6	25,521	32,555	40,491	25,615	31,753.95	26,194
Norwegian	22	42,865	56,278	72,636	43,230	53,289.39	66,390
Panaman	10	4,529	8,234	10,416	6,936	5,607.19	5,412
Peruvian	3	7,049	7,861	10,496	6,630	8,687.80	9,563
Spanish	2	6,244	7,626	10,704	6,342	7,805.00	2,366
Swedish	10	26,316	37,105	62,660	32,230	32,714.01	69,764
United States	219	942,403	1,191,403	1,505,014	937,039	1,095,100.36	1,254,467
Totals, September, 1926	446	1,706,425	2,186,804	2,770,978	1,708,035	2,019,626.42	2,239,547
Totals, September, 1925	388	1,433,267	1,831,039	2,339,722	1,445,452	1,692,723.11	1,891,988
Totals, September, 1924	395	1,561,734	1,976,213	2,517,031	1,567,388	1,832,935.33	2,112,264

Banana Shipments from Cristobal.

During the calendar year 1925, 1,727,491 bunches of bananas with a customs value of approximately $1,249,108.52 were shipped from Cristobal. For the first 9 months of the current calendar year these shipments aggregated 1,408,626 bunches with a customs value of $965,-460.21.

These shipments began to assume a considerable volume during the calendar year 1922, and since then have grown with great rapidity, approximately doubling each year until 1925. Shipments during that year aggregated 368,766 bunches greater than during the years 1922, 1923, and 1924 combined, and shipments during 1926 should be slightly greater than in 1925. The following tabulation shows the number of bunches shipped from January 1, 1922, to September 30, 1926. segregated by calendar years:

Year.	Number of bunches.
1922	208,688
1923	309,716
1924	840,321
1925	1,727,491
1926 (9 months)	1,408,626

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending October 16, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
Perene	Peruvian Line	October 11	October 12	68	.....
Kenowis	U. S. Government	October 12	October 13	499	10
Chateau Thierry	U. S. Government	October 12	October 13	61	63
A. C. Bedford	Standard Oil Co.	October 13	October 14	4,598	.....
Fortuna	E. Von Breymaun	October 14	October 15	.....	12
Bennekom	Royal Netherlands W. I. Mail	October 16	October 17	121	.....

United States Intercoastal Traffic by Commodities for September, 1926.

The following table shows the cargo carried through the Canal in the United States intercoastal trade, segregated by commodities and direction, with the totals, and the totals for September, 1925 and 1924. Cargo statistics are compiled from cargo declarations submitted by masters of vessels, and in these declarations small items are frequently grouped under the designation of "General Cargo." These statistics are accordingly not precise but they are indicative of the kind and quantity of the cargo in transit through the Canal. The figures represent tons of 2,240 pounds, and are for the United States intercoastal trade only:

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Total.
Airplanes	1,030		1,030
Asphalt	100		100
Automobiles	1,000	25	1,025
Automobile accessories	983	42	1,025
Beans		4,159	4,159
Borax		1,292	1,292
Bricks	619		619
Canned goods:			
Fish	368	24,850	25,218
Fruit	155	28,717	28,872
Milk		501	501
Vegetables	2,040	9,356	11,396
Other	1,799	80	1,879
Celite filtercel		57	57
Cement	1,210	150	1,360
Charcoal	126	50	176
Chemicals	1,683	15	1,698
China and fire clay	201		201
Coal	516		516
Cocoa	155		155
Coconuts		315	315
Coffee	43	74	117
Cotton	93	543	636
Drugs	161		161
Flour		4,666	4,666
Fruit:			
Dried	39	6,885	6,924
Fullers earth	1,000		1,000
Furniture	98		98
General	89,439	37,156	126,595
Glass	1,190	270	1,460
Hardwoods	174		174
Hats	10		10
Hay		415	415
Hemp		318	318
Honey		120	120
Ink	60		60
Jute		400	400
Linoleum	716		716
Lumber		166,773	166,773
Marble	175		175
Manufactured goods:			
Iron and steel	54,607	412	55,019
Machinery	4,704	220	4,924
Railroad material	563		563
Textiles	1,777	50	1,827
Other	5,173		5,173
Matches	50		50
Metals:			
Copper		3,133	3,133
Iron	1,000	178	1,178
Lead		299	299
Scrap		112	112
Tin	1,126		1,126
Milk, powdered		192	192
Oils:			
Crude		333,265	333,265
Linseed	25		25
Lubricating	2,228	10,042	12,270
Other		15	15
Refined		109,087	109,087
Vegetable	218		218
Ores:			
Magnesite		2,225	2,225
Paint	283	17	300

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Total.
Paper	4,194	2,152	6,346
Peas	.....	429	429
Phosphates	173	.....	173
Plaster	500	.....	500
Porcelain	.....	350	350
Rice	.....	70	70
Rope	14	.....	14
Rosin	111	.....	111
Rubber:			
Manufactured	332	.....	332
Raw	200	.....	200
Salt	159	150	309
Sand	250	.....	250
Seeds:			
Grass	.....	110	110
Hemp	.....	50	50
Shells, oyster	800	.....	800
Skins and hides	45	1,792	1,837
Slate	210	.....	210
Soap	1,004	.....	1,004
Soda	20	.....	20
Soda, ash	342	.....	342
Soda, caustic	362	.....	362
Sugar	119	1,120	1,239
Sulphur	11,500	.....	11,500
Syrup	104	20	124
Talc	.....	278	278
Tea	25	160	185
Tobacco	2,682	12	2,694
Turpentine	26	.....	26
Wine	.....	264	264
Wool	.....	1,139	1,139
Zinc oxide	187	.....	187
Totals, September, 1926	200,296	754,572	954,868
Totals, September, 1925	622,066	1,269,922	1,891,988
Totals, September, 1924	564,455	1,547,809	2,112,264

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending October 16, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Canada	Johnson Line	.....	October 10	.....	600
San Mateo	United Fruit Co	.....	October 10	.....	512
Toloa	United Fruit Co	October 10	October 10	49	(1)
Cartago	United Fruit Co	October 10	October 10	140	64
Almagro	Pacific Steam Navigation Co	October 10	October 11	89	432
Legazpi	Spanish Line	.....	October 11	.....	87
Mineola	N. O. & S. A. S. S. Line	October 10	October 11	1,559	155
Santa Luisa	Grace Line	October 11	October 11	(2)	11
Erfurt	Roland Line	October 11	October 12	236	(1)
Jacksonville	Grace Line	October 12	October 12	9	6
Perene	Peruvian Line	October 12	.....	227	.....
Leon XIII	Spanish Line	October 12	October 14	206	508
Abangarez	United Fruit Co	October 12	October 14	590	2
Stella	Panama Mail S. S. Co	October 12	October 15	(2)	14,61
Cartago	United Fruit Co	October 13	October 13	13	232
Ancon	Panama Railroad S. S. Line	October 13	.....	3,727	.....
Tivives	United Fruit Co	October 13	October 14	241	416
Venezuela	Royal Netherlands W. I. Mail	October 13	October 14	1	1
Virginia	Standard Fruit S. S. Co	October 14	October 14	145	7
Ebro	Pacific Steam Navigation Co	October 14	October 15	56	30
Geo. Whittaker	Geo. Whittaker	October 14	October 15	(2)	45½
Bennekom	Royal Netherlands W. I. Mail	October 14	October 16	267	292
A. C. Bedford	Standard Oil Co	October 14	October 16	10,909	.....
Santa Marta	United Fruit Co	October 14	October 14	1	472
M. F. Benefit	A. Britton	October 15	October 15	(2)	30
Lochmonar	Pacific Steam Navigation Co	October 15	October 15	(2)	144
Cardiganshire	Pacific Steam Navigation Co	October 14	October 16	185	31
Orcoma	Pacific Steam Navigation Co	October 16	October 16	2	17
Venezuela	Royal Netherlands W. I. Mail	October 16	October 16	(2)	273
Virginia	Standard Fruit S. S. Co	October 16	October 16	6	212
U. D. Vinton	G. Bryan	October 16	October 16	(2)	21
Limon	United Fruit Co	October 16	October 16	81	586
Banan	United Fruit Co	October 14	October 16	(2)	464
Calamares	United Fruit Co	October 11	October 13	332	50

[1] No cargo laded.

[2] No cargo discharged.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective October 7, 1926:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.26
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.26
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2 35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	1.50
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.48
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.15
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.14
Paint, zinc oxide, dry	Lb.	.09
Paint, zinc oxide, in oil	Lb.	.14
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.21
Waste, cotton, white	Lb.	.24

Sale of Scrap Metals, etc.

The Panama Canal offers for sale to the highest bidders a quantity of scrap metals, burlap, and rope. Sealed bids will be received in the offices of the General Purchasing Officer, The Panama Canal, Washington, D. C., and the Chief Quartermaster, The Panama Canal, Balboa Heights, C. Z., up to 10.30 a. m., October 28, 1926, and then opened. Forms of proposal, Circular No. 1762, with full particulars may be had upon application to the above-mentioned officers.

Trips Through the Canal.

The following lines operating passenger vessels through the Canal carry local passengers from one terminal to the other: Panama Mail Steamship Company, Pacific Steam Navigation Company, Grace Line, Chilean Line. The Panama Mail and Chilean Line charge $6 for the trip, the others $10. The several services together afford about 4 transits of the Canal each way every week.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., October 27, 1926. No. 12.

CANAL WORK IN SEPTEMBER, 1926.

The following is the report of the Acting Governor to the Secretary of War, of Canal work in the month of September, 1926.

BALBOA HEIGHTS, C. Z., *October 20, 1926.*

The Honorable, the Secretary of War,
Washington, D. C.

SIR: I have the honor to submit the following report covering operations of The Panama Canal during the month of September, 1926:

NUMBER OF TRANSITS.

During the month, 446 commercial vessels transited the Canal. In addition to these, 11 small nonseagoing launches measuring under 20 tons, and 22 vessels belonging to or chartered by the United States Government, transited the Canal. There were also two transits of a vessel solely for repairs on which no tolls were collected, making the total transits for the month, 481, or a daily average on all transits of 16.03.

Tolls on the 446 commercial vessels amounted to $2,019,626.42, and on the launches to $47.40, making the total tolls collections for the month $2,019,673.82, or a daily average on all traffic of $67,322.46. The average amount of tolls paid by each of the commercial transits was $4,528.31, as compared with $4,428.96 for the month of August.

The total number of craft of all kinds transiting the Canal during the month of September, as compared with the same months in 1925 and 1924, is shown in the following tabulation:

	September, 1926.	September, 1925.	September, 1924.
Commercial vessels	446	388	395
Noncommercial vessels (Army and Navy)	22	18	31
Launches (under 20 tons measurement)	11	14	9
For repairs	2	.....	..
Totals	481	420	435

In addition to the vessels listed above, Panama Canal equipment consisting of dredges, tugs, barges, launches, etc., was passed through the locks as follows:

	North-bound.	South-bound.	Total.
Gatun	12	10	22
Pedro Miguel	58	46	104
Miraflores	43	41	84
Totals	113	97	210

COMMERCIAL TRAFFIC.

The following tabulation shows the number of commercial vessels, Panama Canal net tonnage, tolls and tons of cargo carried by commercial vessels transiting the Canal each month, from the beginning of the calendar year 1926, to the end of September, 1926, as compared with the same months in the preceding year:

COMMERCIAL TRAFFIC.[1]

Month.	No. vessels.		Panama Canal net tonnage.		Tons of cargo.		Tolls.	
	1925.	1926.	1925.	1926.	1925.	1926.	1925.	1926.
January	401	479	1,960,015	2,300,187	1,907,469	2,346,643	$1,832,024.35	$2,103,368.29
February	379	424	1,789,447	1,991,127	1,839,619	2,139,207	1,648,964.88	1,835,226.47
March	397	506	1,964,106	2,398,694	2,104,324	2,607,046	1,849,103.14	2,206,212.20
April	382	425	1,840,692	2,048,247	1,950,902	2,237,567	1,735,429.37	1,917,457.11
May	372	470	1,847,682	2,243,103	1,823,042	2,416,701	1,705,592.20	2,056,965.55
June	368	419	1,753,327	1,990,344	1,920,323	2,134,686	1,659,490.06	1,852,670.66
July	418	456	1,951,295	2,154,821	1,969,654	2,185,527	1,800,239.84	1,980,719.67
August	372	464	1,779,627	2,230,905	1,912,217	2,321,697	1,657,893.90	2,055,041.91
September	388	446	1,831,039	2,186,804	1,891,988	2,239,547	1,692,723.11	2,019,626.42
Totals	3,478	4,089	16,717,230	19,544,232	17,310,538	20,628,621	15,572,469.85	18,027,288.28

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in the direct service of the United States Government, including merchant vessels chartered by the Government, do not pay tolls. Shipping Board vessels in commercial service pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

The following is a summary of the commercial traffic for September, 1926, as compared with the corresponding month in 1925 and 1924, and the monthly average for the fiscal year 1926:

	September, 1926.	September, 1925.	September, 1924.	Average per month for fiscal year, 1926.
Number of vessels	446	388	395	433
United States net tonnage	1,706,425	1,433,267	1,561,734	1,621,969
Panama Canal net tonnage	2,186,804	1,831,039	1,976,213	2,064,549
Registered gross tonnage	2,770,978	2,339,722	2,517,031	2,639,385
Registered net tonnage	1,780,035	1,445,452	1,567,388	1,629,073
Tolls	$2,019,626.42	$1,692,723.11	$1,832,935.33	$1,910,921.33
Tons of cargo carried	2,239,547	1,891,988	2,112,264	2,169,787

The average daily number of transits, tonnage, tolls, and cargo is shown in the following statement, in comparative form, commercial vessels only:

	Average per day.			Average per day for fiscal year, 1926.
	September, 1926.	September, 1925.	September, 1924.	
Number of transits	14.86	12.93	13.17	14.24
Panama Canal net tonnage	72,893	61,034	65,873	67,875
Tolls	$67,320.88	$56,424.10	$61,097.84	$62,824.80
Tons of cargo carried	74,651	63,066	70,409	71,335

AVERAGE TONNAGE, TOLLS, AND TONS OF CARGO PER VESSEL.

The average tonnage, tolls, and cargo per vessel transiting the Canal during the month of September, 1926, as compared with September, 1925, and September, 1924, are shown in the following tabulation:

	Average per vessel.		
	September, 1926.	September, 1925.	September, 1924.
United States equivalent net tonnage	3,826	3,694	3,954
Panama Canal net tonnage	4,903	4,719	5,003
Registered gross tonnage	6,213	6,030	6,372
Registered net tonnage	3,991	3,725	3,968
Tolls	$4,528.31	$4,362.68	$4,640.34
Tons of cargo (including vessels in ballast)	5,021	4,876	5,347
Tons of cargo (laden vessels only)	6,114	5,785	6,490

TOLLS.

At present, tolls are collected at rates of $1.20 per ton for laden vessels and $0.72 per ton for vessels in ballast, computed on the basis of The Panama Canal rules of measurement, with the provision that tolls shall not exceed $1.25 per ton nor be less than $0.75 per ton as determined in accordance with the United States rules for the measurement of net registered tonnage. In order to ascertain the proper tolls charges, it is necessary, therefore, that the net tonnage of vessels transiting the Canal be determined both in accordance with The Panama Canal and the United States rules of measurement.

Taking the traffic through the Canal for the month of September, 1926, the following tabulation shows a comparison of tolls actually collected under the present method of assessing tolls and the tolls that would have been collected on the basis of The Panama Canal rules of measurement at the proposed rates of $1.00 laden and $0.60 ballast, with transits for the month segregated by flag:

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
Belgian	$4,021.25	$4,064.00	$42.75	
British	556,808.91	575,626.80	18,817.89	
Chilean	8,738.75	9,377.00	638.25	
Colombian	202.50	184.00		$18.50
Danish	14,383.75	14,883.00	499.25	
Danzig	29,313.94	27,010.20		2,303.74
Dutch	47,176.65	49,313.00	2,136.35	
French	31,307.25	30,571.00		736.25
German	52,107.00	57,551.20	5,444.20	
Italian	49,608.72	38,048.60		2,560.12
Japanese	31,753.95	32,555.00	801.05	
Norwegian	53,289.39	52,857.60		431.79
Panaman	5,607.19	8,190.00	2,582.81	
Peruvian	8,687.80	7,861.00		826.80
Spanish	7,805.00	7,626.00		179.00
Swedish	32,714.01	36,911.80	4,197.79	
United States	1,095,100.36	1,075,307.00		19,793.36
Totals	2,019,626.42	2,027,937.20	35,160.34	26,849.56

The decrease on vessels of United States registry would have been made up, with respect to channels of trade in which the vessels were engaged, as follows:

United States intercoastal trade	$17,970.11
United States foreign trade	731.15
United States-Canal Zone trade	1,092.10
Totals	19,793.36

RATIO OF CARGO TONNAGE TO NET TONNAGE.

The ratio of cargo tonnage to net tonnage, Panama Canal measurement, of vessels transiting the Panama Canal in September, 1926, is shown in the following tabulation, segregated by nationality of vessels and direction of transit. Laden vessels only are included:

Nationality.	Atlantic to Pacific.	Pacific. to Atlantic.	Totals
Belgian		1.79	1.79
British	.80	1.30	1.06
Chilean	.45	1.14	.79
Colombian	1.66	1.66	1.66
Danish	1.62	1.46	1.52
Danzig		1.75	1.75
Dutch	.34	.134	.92
French	.65	1.37	1.00
German	.86	1.29	1.05
Italian	.40	1.39	.98
Japanese	.74	.95	.80
Norwegian	.88	1.80	1.39
Panaman	1.44	.27	.67
Peruvian	1.09	1.27	1.21
Spanish	.06	.56	.31
Swedish	.90	3.57	1.90
United States	.92	1.65	1.39
Average, September, 1926	.85	1.54	1.25
Average, September, 1925	.86	1.55	1.23
Average, September, 1924	.91	1.59	1.32

CLASSIFICATION OF VESSELS.

A further classification of vessels passing through the Canal during the month of September, 1926, is as follows:

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Tank ships:						
Laden	4	18,446	$19,648.75	60	345,775	$353,531.05
Ballast	55	311,579	224,408.46			
General cargo ships:						
Laden	155	752,099	703,481.80	144	673,317	655,163.10
Ballast	22	67,599	57,641.18	6	7,989	5,752.08
Totals	236	1,149,723	1,005,180.19	210	1,037,081	1,014,446.23
Steamers	205	1,035,651	904,703.10	175	890,975	874,367.78
Motor ships	24	112,787	99,105.24	30	145,446	139,560.00
Motor schooners	5	1,083	1,220.35	2	575	449.01
Launches				3	85	69.44
Barges	2	202	151.50			
Totals	236	1,149,723	1,005,180.19	210	1,037,081	1,014,446.23

Of the 380 steamers, 283 were oil burning, 94 coal burning, and 3 burned either coal or oil.

NONCOMMERCIAL TRAFFIC.

The following statement shows the tonnage and amount of cargo carried by vessels transiting the Panama Canal free of tolls during the month of September, 1926. If tolls had been assessed against these vessels at commercial rates, the amount collected would have been approximately as indicated:

Class and nationality.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of transits.	Tonnage.	Tolls.	No. of transits.	Tonnage.	Tolls.
U. S. Naval vessels:						
Barges				1	[1] 250	$125.00
Cruisers	1	[1] 3,190	$1,595.00			
Cargo ships				1	[2] 4,355	5,226.00
Launches	1	[1] 5	2.50			
Submarines	2	[1] 1,812	906.00	2	[1] 1,812	906.00
Tankers	1	[2] 6,424	4,625.28	3	[2] 16,883	20,259.60
Transports				1	[2] 5,212	6,254.40
Tugs	3	[1] 3,000	1,500.00	3	[1] 3,000	1,500.00
U. S. Army vessels:						
Launches	1	[1] 10	5.00			
Transports	1	[2] 5,212	6,254.40	1	[2] 5,327	6,392.40
For repairs:						
General cargo ship	1	[1] 1,427	1,070.25	1	[3] 1,427	1,070.25
Totals	11		15,958.43	13		41,733.65

[1] Indicates displacement tonnage. [2] Indicates Panama Canal net tonnage. [3] Indicates U. S. registered net tonnage.

The foregoing noncommercial vessels transiting the Canal during the month of September, 1926, carried cargo as follows:

	Tons.
Atlantic to Pacific	470
Pacific to Atlantic	26,616
Totals	27,086

The following statement shows the number of launches transiting the Canal during the month of September, 1926. These launches, although paying tolls, are excluded from statements concerning commercial traffic:

	Number.	Tonnage.	Tolls.
Atlantic to Pacific	9	50	$40.20
Pacific to Atlantic	2	9	7.20
Totals	11	59	47.40

STATEMENT OF TERMINAL OPERATIONS.

Details of the business transacted at the Atlantic and Pacific terminals of the Panama Canal during the month of September, 1926, are shown in the following tabulations:

		Cristobal.	Balboa.	Total.
Local cargo arriving	tons	113,074	36,955	150,029
Local cargo shipped	tons	5,894	517	6,411
Transit cargo arriving	tons	2,198,269	2,226,280	4,424,549
Transit cargo clearing	tons	2,202,321	2,232,751	4,435,072
Cargo received for transshipment	tons	24,177	381	24,558
Cargo transshipped	tons	22,889	3,711	26,600
Vessels supplied with bunker coal:				
Commercial, other than Panama Railroad		70	2	72
Army and Navy		1		1
Panama Railroad		1		1
Totals		72	2	74
Coal supplied to above vessels:				
Commercial, other than Panama Railroad	tons	37,795	207	38,002
Army and Navy	tons	1		1
Panama Railroad	tons	3		3
Totals	tons	37,799	207	38,006
Coal issued, miscellaneous:				
Panama Canal departments	tons	125	29	154
U. S. Army, excepting vessels	tons	328		328
Individuals and companies	tons	132		132
Transferred to Navy	tons	242		242
Total issues and sales	tons	38,626	236	38,862
Coal on hand, October 1, 1926	tons	38,194	22	38,216
Coal on hand, September 1, 1926	tons	48,038	16	48,054
Coal received during the month	tons	28,782		28,782
Coal received from Navy	tons		242	242
Fuel oil issued from Panama Canal tanks:				
Panama Canal departments	bbls	5,703.28	18,610.62	24,313.90
Panama Railroad Company	bbls	723.44		723.44
Army and Navy	bbls		104.96	104.96
Individuals and companies	bbls		109.18	109.18
Total issues and sales	bbls	6,426.72	18,824.76	25,251.48
Fuel oil received during September	bbls			
Fuel oil on hand, October 1, 1926	bbls	57,202.60	60,416.44	127,619.04
Diesel oil sold during September, 1926	bbls	125.02	27.00	152.02
Diesel oil on hand, October 1, 1926	bbls	30,970.15	419.62	31,389.77
Miscellaneous transfers	bbls		690.94	690.94
Gasoline and kerosene pumped for the Panama Canal	bbls	1,487.30	2,525.86	4,013.16
Gasoline pumped for individuals and companies	bbls		3,317.90	3,317.90
Oil pumped for individuals and companies	bbls	610,738.26	481,651.76	1,092,390.02
Total fuel oil, gasoline, and kerosene handled	bbls	618,777.30	507,028.22	1,125,805.52
Admeasurement of vessels:				
U. S. equivalent certificates issued		24	4	28
Measured for Panama Canal net tonnage		4	2	6
Remeasured for Panama Canal net tonnage		24	1	25
Panama Canal net tonnage corrected		2		2
U. S. equivalent tonnage corrected		9	4	13
Services for harbor equipment:				
Tugs, total operating hours		482	469¾	951¾
Launches, total operating hours		1,442½	1,421½	2,864
Revenue from tug service, pilotage, etc.:				
Tug revenue		$14,915.00	$14,262.50	$29,177.50
Pilotage		17,812.00	7,309.00	25,121.00
Seamen		10,792.00	9,856.00	20,648.00
Launches		2,265.50	2,873.50	5,139.00
Wharfage		13,437.62	5,511.27	18,948.89
Ships measured		110.00	55.00	165.00
Miscellaneous cash collections		400.05	18.97	419.02
Ships repaired at Panama Canal shops:				
Commercial		46	12	58
U. S. Army and Navy		11	5	16
Panama Canal equipment		17	15	32
Vessels dry docked:				
Commercial		3	8	11
U. S. Army and Navy		3	2	5
Clearances issued		253	245	498
Bills of health issued		256	245	501

ALL VESSELS ENTERING AND CLEARING PORT.

	Port of Cristobal.			Port of Balboa.		
	No. of ships.	Registered gross tonnage.	Registered net tonnage.	No. of ships.	Registered gross tonnage.	Registered net tonnage.
Ships entering.						
All vessels, including those transiting Canal	518	3,198,155	1,975,378	459	2,862,352	1,777,213
Vessels entering port but not transiting Canal	73	347,809	212,496	8	51,436	33,980
Vessels transiting Canal and handling passengers and cargo at terminal ports	81	540,519	329,054	56	354,626	214,485
Ships clearing.						
All vessels, including those transiting Canal	511	3,135,645	1,929,196	462	2,884,357	1,790,102
Vessels clearing port but not transiting Canal	70	339,568	205,268	9	55,866	36,855
Vessels transiting Canal and handling passengers and cargo at terminal ports	79	513,354	312,759	58	374,581	226,675

MOVEMENT OF PASSENGERS.

	At Cristobal.			At Balboa.		
	First-class.	Others.	Total.	First-class.	Others.	Total.
Disembarking:						
From Atlantic ports	1,686	1,463	3,149	117	90	207
From Pacific ports	174	92	266	154	176	330
Total disembarking	1,860	1,555	3,415	271	266	537
Embarking:						
For Atlantic ports	1,467	1,268	2,735	33	42	75
For Pacific ports	238	92	330	112	148	260
Total embarking	1,705	1,360	3,065	145	190	335
Remaining on board:						
From Atlantic to Pacific ports	1,922	3,591	5,513	1,817	3,597	5,414
From Pacific to Atlantic ports	1,127	1,154	2,281	1,054	1,051	2,105
From Atlantic to Atlantic ports	715	190	905			
From Pacific to Pacific ports				36	350	386
Totals	3,764	4,935	8,699	2,907	4,998	7,905
Total arriving	5,624	6,470	12,114	3,178	5,264	8,442
Total departing	5,469	6,295	11,764	3,052	5,188	8,240

PASSENGER-CARRYING VESSELS THROUGH CANAL.

	Total commercial vessels.	Passenger-carrying vessels.	Per cent of total transits.
From Atlantic to Pacific	236	35	14.8
From Pacific to Atlantic	210	39	18.6
Totals	446	74	16.6

In addition to the above, 64 passenger-carrying vessels called at the port of Cristobal and 2 at Balboa, without transiting the Canal, making a total of 140 passenger-carrying vessels calling at Canal ports during the month.

COMMISSARY SALES TO VESSELS.

Following is a statement of commissary sales to vessels during the month of September, 1926:

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Cristobal to:						
Government vessels	$181 00	$917 98	$2,666 92	$1 34	$1,218 55	$4,984 79
Panama Railroad vessels			1,113.30	596 46	311 13	2,020.89
Commercial vessels	2,037 44	8,082 18	20,120.97	299 37	4,661 17	35,201 13
Total sales, September, 1926	2,217 44	9,000 16	23,901 19	897 17	6,190 85	42,206.81
Total sales, September, 1925	2,385.23	14,562 44	27,813.71	1,067 19	4,033.84	49,862 41
Total sales, September, 1924	1,923 28	7,312 56	29,154 19	1,105 49	2,768 59	42,264 11

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Balboa to:						
Government	$100 52	$2,774.37	$3,240.37	$299 34	$199.35	$6,613.95
Commercial vessels	723.32	6,962.52	9,689 70	548.27	2,264.36	20,188.17
Total sales, September, 1926	823 84	9,736 89	12,930.07	847.61	2,463.71	26,802.12
Total sales, September, 1925	1,225.27	13,204 54	28,890.10	314 58	4,795.82	48,430.31
Total sales, September, 1924	1,036 36	2,254 73	11,909 46	326 38	6,111.70	21,908 63

The aggregate sales to Government vessels during the month were $11,598.74; to Panama Railroad vessels, $2,020.89; and to other commercial vessels, $55,389.30; making the total sales to all vessels, $69,008.93.

LOCK OPERATIONS.

The following tabulation shows the number of lockages, and the number of vessels passing through the locks during the month of September, 1926, as compared with the corresponding month in 1925 and 1924, together with the consumption of water for lockages, maintenance, etc., in September, 1926, as compared with the preceding month and the corresponding month in 1925:

Locks.	Number of lockages.						Comparative grand totals.		
	Commercial.			Noncommercial.					
	North.	South.	Total.	North.	South.	Total.	Sept., 1926.	Sept., 1925.	Sept., 1924.
Gatun	205	219	424	12	3	15	439	393	400
Pedro Miguel	204	228	432	18	18	36	468	410	424
Miraflores...	202	225	427	17	17	34	461	406	419
	Number of vessels put through locks.								
Gatun	216	243	459	26	20	46	505	462	469
Pedro Miguel	211	241	452	72	57	129	581	479	474
Miraflores...	211	241	452	57	52	109	561	480	468

CLASSIFICATION OF NONCOMMERCIAL VESSELS.

	Gatun.	Pedro Miguel.	Miraflores.
Army and Navy vessels	23	25	25
Panama Canal equipment	22	104	84
Panaman Government vessels	1	..	..

The total consumption of water for lockages, maintenance, and loss in leakage was as follows:

	Gatun.	Pedro Miguel.	Miraflores.
	Cubic feet.	*Cubic feet.*	*Cubic feet.*
Lockages...	1,714,040,000	1,440,370,000	1,445,090,000
Maintenance	7,740,000	..	..
Leakage	30,000	9,000,000	20,000,000
Totals, September, 1926	1,721,810,000	1,449,370,000	1,465,090,000
Totals, August, 1926....	1,835,590,000	1,538,540,000	1,513,160,000
Totals, September, 1925	1,565,640,000	1,273,980,000	1,268,150,000

METEOROLOGY AND HYDROGRAPHY.

In the following tabulation the meteorological and hydrographic conditions over the Canal Zone and vicinity during the month of September, 1926, are shown in comparative form:

Rainfall for month.	September.		September—Years of record.		
	1926.	1925.	Maximum.	Minimum.	Mean.
	Inches.	*Inches.*	*Inches.*	*Inches.*	*Inches.*
Pacific section	10.48	9.78	12.48	4.91	8.63
Central section	11.60	11.96	15.16	6.56	11.23
Atlantic section	11.31	11.82	15.03	7.94	12.04
Maximum recorded on any one day	4.56	4.40	[1] 6.19		
Gatun Lake watershed	11.72	11.82	16.14	8.88	11.70
Chagres River watershed above Alhajuela	14.51	10.92	18.62	7.25	12.55
Maximum recorded for month at any one point	14.36	14.86	28.92		
Minimum recorded for month at any one point	7.82	8.46		1.12	
Hydrography.	*C.f.s.*	*C.f.s.*	*C.f.s.*	*C.f.s.*	*C.f.s.*
Discharge of Chagres River at Alhajuela	3,088	2,390	4,732	1,722	3,135
Maximum momentary discharge for the month	28,600	11,772	[2] 33,600		
Gatun Lake watershed, total yield	4,510	7,965	11,946	4,703	8,605
Gatun Lake watershed, net yield	7,893	7,385	11,238	4,620	8,080
Draft on Gatun Lake for lockages and power	2,710	2,578	2,743	[3] 1,322	[3] 2,152

[1] 12.25 represents the maximum 24-hour rainfall recorded on the Canal Zone and vicinity since American occupation, recorded at Gatun on October 23 and 24, 1923. Note Extreme outlying stations in the Republic of Panama not included in this report. [2] September 6, 1917. [3] Not including September, 1914.

SEISMOLOGY.

No seismic disturbances were recorded during the month.

ELECTRICAL DIVISION.

In addition to the usual operating and maintenance work performed by this division, electrical installation and repair work was made on 33 vessels during the month. There were 380 work orders issued during September, as compared with 346 work orders issued during the month of August, 1926.

The building for the new Miraflores Diesel plant is practically completed and the work of installing equipment is progressing satisfactorily. The installation of all machine tools has been completed, and two of the Diesel engines, together with generators and exciters, have been received on the Isthmus. One of these engines has been placed in position and completely grouted in. The overhead electric crane has been completed and the crane placed in operation.

MECHANICAL DIVISION.

During the month miscellaneous repairs were made on 74 vessels at Cristobal and 32 at Balboa. Overhaul of the U. S. submarines *O-7* and *O-9* and to the tug *Gaither* was continued during the month. Barge *No. 131* for the Dredging Division was completed during the month and repair work was started on barges *No. 138* and *No. 141*.

MUNICIPAL ENGINEERING DIVISION.

The usual maintenance work on roads, streets, and walks, and to the water and sewer systems was performed during the month.

The amount of water pumped during the month totaled 617,188,750 gallons.

DREDGING DIVISION.

West Culebra slide showed a movement of 1.1 feet toward the Canal during the month. No other slide movement occurred during the month and there was no interference with Canal traffic.

The total excavation during the month was 354,962 cubic yards, as follows:

Cubic yards.	Classified as		Character of work.	Station.	Equipment.
	Earth.	Rock.			
60,000	60,000		Maintenance	Atlantic entrance	*No. 83.*
5,250	5,250		Maintenance	Gatun Lake	*No. 83.*
13,800	2,750	11,050	Maintenance	Gatun Lake	*Paraiso.*
7,950	1,450	6,500	Maintenance	Gatun Lake	*Gamboa.*
42,550	8,700	33,850	Maintenance	Gaillard Cut	*Paraiso.*
6,150	1,250	4,900	Maintenance	Gaillard Cut	*Gamboa.*
49,500	2,700	46,800	Maintenance	Pacific entrance, Project No. 1	*Gamboa.*
9,000	9,000		Maintenance	Pacific entrance, maintenance	*Gamboa.*
23,300	500	22,800	Maintenance	Pacific entrance, Project No. 1	*Cascadas.*
10,300	10,300		Maintenance	Pacific entrance, maintenance	*Cascadas.*
13,000	1,000	12,000	Maintenance	Pacific entrance, Project No. 1	*No. 86.*
18,300	18,300		Maintenance	Pacific entrance, maintenance	*No. 86.*
50,100	50,100		Maintenance	Balboa inner harbor, Project No. 1.	*No. 86.*
43,700	43,700		Maintenance	Balboa inner harbor, maintenance	*No. 86.*
2,062	2,062		Auxiliary	Dredging sand at Chame	*La Valley.*

OCCUPANTS OF QUARTERS.

The number of persons, including men, women, and children, occupying Panama Canal and Panama Railroad quarters on September 30, 1926, totaled 20,370, of whom 6,992 were Americans, 191 Europeans, and 13,187 West Indians. The total number of persons in quarters on September 30, 1925, was 20,182.

WORKING FORCE.

The following tabulation shows the number of gold and silver employees as of September 15, 1926, together with a comparison of the working force for the preceding month, and for September, 1925:

	As of September 15, 1926.			Total employees.	
	Gold.	Silver.	Total.	Aug., 1926.	Sept., 1925.
Operation and Maintenance:					
Office	36	32	68	71	69
Electrical	157	188	345	337	346
Municipal Engineering	80	588	668	654	912
Lock Operation	216	623	839	851	801
Dredging	179	871	1,050	1,030	945
Mechanical	428	785	1,213	1,200	1,266
Marine	192	538	730	788	710
Fortifications	12	115	127	115	319
Totals	1,300	3,740	5,040	5,046	5,368
Supply Department:					
Quartermaster	185	1,481	1,666	1,694	1,334
Subsistence	8	92	100	101	106
Commissary	197	991	1,188	1,188	1,118
Cattle Industry	7	285	292	269	141
Hotel Washington	9	88	97	95	99
Transportation	50	206	256	251	220
Totals	456	3,143	3,599	3,598	3,018
Accounting Department	201	8	209	209	207
Health Department	233	763	996	996	941
Executive Department	484	233	717	724	712
Totals	918	1,004	1,922	1,929	1,860
Panama Railroad:					
Superintendent	46	204	250	247	255
Transportation	63	112	175	178	181
Receiving and Forwarding Agent	81	1,277	1,358	1,115	1,105
Coaling stations	49	302	351	347	313
Totals	239	1,895	2,134	1,887	1,854
Grand totals, September, 1926	2,913	9,732	12,695		
Grand totals, August, 1926				12,460	
Grand totals, September, 1925					12,100

VITAL STATISTICS.

A total of 160 deaths occurred during the month of September, 1926, among the population of the Canal Zone, and the cities of Panama and Colon, which is equivalent to an annual death rate of 15.03 per 1,000. The leading causes of death were: Pneumonia (broncho and lobar), 15; tuberculosis (various organs), 19; diarrhea and enteritis, 11; nephritis (acute and chronic), 10; organic disease of the heart, 7; bronchitis, 7. There were 10 deaths from cancer, and 5 from apoplexy. There were 35 deaths among nonresidents of the Isthmus; these are not included in the above statistics.

There were 354 live births reported during the month, and 17 stillbirths. Including stillbirths, this is equivalent to an annual rate of 34.81 per 1,000 population. Deaths among children under 1 year of age numbered 36, giving an infant mortality of 101.70 per 1,000 live births.

The total number of malaria cases reported from the Zone and the cities of Panama and Colon during September was 118, of which 12 were employees (5 white and 7 colored), 9 were members of employees' families (3 white and 6 colored), 36 were other civilian nonemployees, and 61 were Army and Navy personnel. Two of the 21

employees and members of their families were probably infected outside our sanitated areas, as they gave a history of having been in such areas at night previous to their becoming sick.

There were two deaths from malaria, both black nonemployees, one a resident of Colon and the other a resident of Panama City, both of whom had been visiting in the interior and were brought back to Panama sick with the disease.

RECEIPTS AND SALES OF MATERIALS AND SUPPLIES.

The value of material ordered on United States requisitions and received on the Isthmus during the month totaled $498,475.66, of which $475,618.51 was for the Department of Operation and Maintenance and $22,857.15 for other Panama Canal departments.

Cash sales on the Isthmus from stock, fuel oil, scrap and obsolete and second-hand material amounted to $33,629.52.

FINANCIAL STATEMENT.

The following statement shows in a condensed form the aggregate revenues and expenditures for the month of August, 1926, as compared with August, 1925, together with figures for the first two months of the current fiscal year as compared with the same period in the fiscal year 1926.

It is impossible to submit the figures for the month of September at the time of writing this report, since all the charges, etc., involved in the accounting have not been completed.

	Month		Fiscal year.	
	August, 1926.	August, 1925.	This year.	Last year.
Tolls	$2,055,069.78	$1,658,161.70	$4,035,821.85	$3,457,438.86
Other receipts	276,829.62	236,156.28	551,427.65	475,151.77
Total transit revenues	2,331,899.40	1,894,317.98	4,587,249.50	3,932,590.63
Total transit expenses	916,447.50	874,690.53	1,875,445.20	1,728,814.86
Net transit expenses	1,415,451.90	1,019,627.45	2,711,804.30	2,203,775.77
Three per cent capital charge.	610,196.86	611,432.12	1,220,573.6[illegible]	1,222,994.27
Total transit surplus	805,255.04	408,195.33	1,491,230.[illegible]	980,781.50
Business revenues	1,040,843.23	1,056,767.47	2,036,87[illegible].50	2,154,107.65
Business expenses	971,872.40	1,015,822.01	1,893,8[illegible].85	2,062,677.62
Net business revenues	68,970.83	40,945.46	142,74[illegible].65	91,430.03
Three per cent capital charge.	56,282.39	53,500.74	11[illegible]243.84	106,639.98
Business surplus	12,688.44	12,555.28	[illegible],830.81	15,209.95
Combined revenues	3,110,389.58	2,728,763.97	[illegible]03,512.40	5,649,414.40
Combined expenses	1,625,966.85	1,668,191.06	248,733.45	3,345,2[illegible]8.60
Combined net revenues	1,484,422.73	1,060,572.91	2,854,778.95	2,295,205.80
Three per cent capital charge.	666,479.25	664,932.86	1,332,717.46	1,329,634.25
Combined surplus	817,943.48	395,640.05	1,522,061.49	965,571.55

Respectfully,

H. BURGESS,
Acting Governor.

Shipment of Spruce Lumber from Alaska.

The steamship *Commercial Guide*, operated by Moore & McCormack, transited the Canal on October 4, en route from Ketchikan, Alaska, to New York. The cargo of the *Commercial Guide* consisted of 2,230,000 feet of spruce lumber from Alaska ports and 2,570,000 feet of fir lumber from Washington ports.

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to marine notices to steamship lines and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution, away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in the paper, which is supplied to them without charge.

Steamships "Resolute" and "Reliance" to Again Fly German Flag.

Announcement was made recently of the purchase, by the original owners, the Hamburg-American Line, of the steamships *Resolute* and *Reliance* from the Harriman shipping interests. These two vessels have been under Panamanian registry for the past several years but will again fly the German flag under the present ownership.

The *Resolute* has transited the Canal several times under Panamanian registry, the last being in January of this year en route from the Atlantic to the Pacific on an around the world cruise. The *Resolute* is scheduled for another around the world cruise, leaving New York eastbound January 6, 1927, and returning via the Panama Canal on May 25. It is stated that this cruise is two weeks longer than those arranged formerly in order to include stops at Siam, Borneo, and Formosa.

Cunard Liner "Carinthia" on Around the World Cruise.

The Cunard liner *Carinthia*, owned and operated by the Cunard Steamship Company, and chartered by the Raymond-Whitcomb Tour Company, arrived at Cristobal on the morning of October 22, 1926, on the first lap of a four months' world cruise. Transit of the Canal was begun early on the morning of arrival, and upon reaching Balboa the passengers disembarked for an automobile sightseeing trip, followed by dinner at the Hotel Tivoli. The vessel cleared for San Francisco 12.05 a. m., October 23.

The *Carinthia* has a Panama Canal net tonnage of 16,701 tons and a United States registered net tonnage of 10,155. Tolls for the transit amounted to $12,693.75.

Omitting the passage of the steamship *Ryndam*, which was not in the nature of the ordinary pleasure cruises, the transit of the *Carinthia* is the first around the world cruise to pass through the Canal during the 1926–1927 season. Five additional world cruises are scheduled to pass through the Canal within the next few months.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending October 23, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
D. G. Schofield	Standard Oil Co	October 17.	October 18.	11,576	
Sirius	U. S. Government	October 18.	October 19.	89	19
Timavo	Nav. Libera-Triestina	October 19.	October 20.	600	
Rosana	Alberto Fait	October 19.	October 24.	183	
Montebello	Union Oil Co	October 20.	October 21.	11,579	
Ecuador	Panama Mail S. S. Co	October 21.	October 21.	37	10
Padilla	Colombian Line	October 21.	October 21.	88	..
Nitro	U. S. Government	October 21.	October 22.	4	..
Cattaro	Hamburg-American Line	October 21.	October 24.	..	1,219
Hakodate Maru	Nippon Yusen Kaisha	October 21.	Ocotber 22.	128	
Atrato	Colombian Transport Co	October 21.	October 22.		2
Corinto	Panama Mail S. S. Co	October 22.	October 23.	62	..

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, October 23, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Lena Luckenbach	16	21 45	17	6 12	17	14 45	20	00 34	American	Luckenbach Line	425 0	53 0	26 0	New Orleans, La.	Los Angeles, Calif	General	7,209	7,217	5,295
Swiftsure	17	7 57	17	8 00	17	15 40	17	16 50	American	C. D. Mallory & Co.	465 0	60 0	21 6	Fall River, Mass	Los Angeles, Calif.	Ballast		8,493	6,017
London Importer	16	28 25	17	10 25	17	17 00	17	18 10	British	Brit.-Arg. St. Nav. Co	450 0	57 9	18 10	Manchester, Eng	Vancouver, B. C.	General, bananas	1,490	8,405	5,855
Otaki	17	9 30	17	13 00	17	19 34	17	20 50	British	N. Z. Shipping Co	449 0	58 0	28 2	Avonmouth, Eng	Auckland, N. Z.	General	6,226	8,268	5,432
Laleen			17		17	8 11			American	C. A. Blair				Cristobal, C. Z	Gatun, C. Z	Ballast		4	4
Omphale [1]	17	15 28	18	6 29	18	13 35	18	19 05	French	Cie. Aux. de Nav. Co	422 0	57 5	16 0	Rouen, France	San Francisco, Cal.	Ballast		6,663	4,427
San Fabian [1]	17	15 48	18	7 15	18	15 00	18	16 05	British	Anglo-Mex. Pet. Co.	530 5	69 4	20 5	Liverpool, England	Los Angeles, Calif	Ballast		13,554	9,614
Sirius	16	15 15	18	10 30	18	17 02	19	19 30	American	U. S. Navy	390 0	54 0	15 8	Brooklyn, N. Y.	Bremerton, Wash.	Naval supplies	1,455¼		
Robin Adair	18	9 50	18	10 40	18	18 17	18	19 35	American	Isthmian S. S. Lines	424 0	55 2	26 3	New York, N. Y.	San Diego, Calif.	Steel, general.	7,931	7,470	5,529
Orient.	18	11 33	18	12 15	18	19 03	18	20 08	American	Oriental Navigation Co	376 4	52 3	17 0	Philadelphia, Pa.	Portland, Oreg	General	2,371	5,455	3,879
Timavo.	18	6 45	19	6 07	19	13 58	20	14 15	Italian	Nav. Libera-Triestina	464 2	57 4	22 4	Trieste, Italy.	Vancouver, B. C.	General	1,871	7,820	5,280
Walter D. Munson	18	17 15	19	7 06	19	14 51	19	15 48	American	Munson S. S. Line	368 2	48 3	23 1	Boston, Mass	Los Angeles, Calif	General	5,500	4,606	3,246
Oneida	18	22 35	19	7 30	19	15 42	19	16 39	American	Ford Motor Co	251 0	43 6	18 0	New York, N. Y.	Los Angeles, Calif.	Auto parts		2,038	2,656	1,632
Canadian Challenger	19	8 35	19	8 45	19	16 51	20	17 45	British	Can. Gov. Mer. Mar	400 0	52 0	18 6	Montreal, Canada	Brisbane, Australia	General	3,005	6,142	4,354
Willpolo [1]	19	7 05	19	9 50	19	17 12	19	18 18	American	Williams S. S. Line	386 8	52 2	21 7	Norfolk, Va	Seattle, Wash	General	4,076	5,680	4,080
Bologna	18	09 15	19	12 15	19	18 45	19	20 50	Italian	Italian Line	385 0	47 9	18 8	Genoa, Italy	Valparaiso, Chile	General	907	5,531	3,774
George W. Barnes [1]	19	13 10	20	6 05	20	13 44	20	14 45	American	Huasteca Petroleum Co.	416 8	56 1	21 0	Norfolk, Va	Los Angeles, Calif	Ballast		6,763	4,675
Colac	19	18 18	20	7 47	20	15 49	20	17 45	British	Huddard Oarker & Co.	331 0	47 9	22 0	Newport News, Va.	Auckland, N. Z.	General	4,480	3,802	2,387
Walter A. Luckenbach.	19	22 55	20	8 35	20	16 04	20	16 50	American	Luckenbach Line	446 5	56 1	27 4	Boston, Mass	Tacoma, Wash	General	6,318	8,785	6,567
Santa Elisa	20	19 10	21	6 05	21	12 58	21	16 55	American	Grace Line	360 3	51 7	24 7	New York, N. Y.	Talcahuano, Chile	General	2,655	5,957	4,325
Padilla	20	6 40	21	6 20	21	14 19	21	16 05	Colombian.	Colombian S. S. Co	247 0	43 5	15 6	Cartagena, Col	Buenaventura, Col.	General	1,400	2,206	1,506
Ecuador	20	4 00	21	6 08	21	13 14	21	23 40	American	Panama Mail S. S. Co.	380 6	48 7	23 8	New York, N. Y	San Francisco, Cal	General	2,910	5,926	4,178
Nitro	20	6 35	21	7 20	21	15 17	22	7 25	American	U. S. Navy	462 0	60 0	21 7	Hampton R'ds, Va.	Mare Island, Calif	Naval supplies	1,540		
Tregenna	21	6 15	21	8 45	21	15 38	21	16 35	British	Amer. & Austral'n Line	490 0	52 3	22 0	New York, N. Y.	Port Pirie, Australia	General	4,000	5,734	4,060
Jufuku Maru.	21	8 40	21	9 40	21	16 18	21	21 14	Japanese	Kokusai Kisen Kaisha.	385 0	51 0	25 0	Galveston, Tex.	Yokohama, Japan	General	6,020	5,919	4,435
Cities Service Petrol [1]	21	10 39	21	10 50	21	17 21	21	18 45	American	Cities Service Corp.	468 3	62 7	18 0	New York, N. Y.	Los Angeles, Calif	Ballast		9,802	7,292
Virginian	21	11 08	21	11 50	21	18 51	21	20 00	American	Atlantic-Pacific Line	491 5	58 2	21 9	Boston, Mass.	Portland, Oreg	General	4,813	10,491	7,546
Atrato [2]	8	17 28	21	11 55	21	19 28	22	15 29	Colombian.	Colombian Transp. Co	98 0	23 0	11 0	Cristobal, C. Z	Buenaventura, Col.	General	136	160	92
Sigdal	18	20 50	21	13 10	21	21 49	21	23 14	Norwegian.	Colombian Transp. Co	210 0	33 0	15 10	Cristobal, C. Z	Buenaventura, Col.	General	1,289	1,063	685
Tui [3]			21		21	11 48			American	J. J. Burton				Cristobal, C. Z	Gatun, C. Z	Ballast		1	1
Vino Tinto [4]			21		21	8 20			American	San Elias Dev. Co				Cristobal, C. Z	Gatun, C. Z	(5)		7	7
Barge No. 4.			20		21	8 20			American	San Elias Dev. Co				Cristobal, C. Z	Gatun, C. Z	Ballast		17	17

[1] Tanker. [2] Launch. [3] Auxiliary. [4] Motor schooner. [5] Towing barge *No. 4*.

Carinthia	22	6.05	22	6.30	22	14.55	23	1.51	British	Cunard Line	600.7	73.8	27.0	New York, N. Y.	Around the world.	Passengers only		22,760	16,701
Acajutla	18	15.40	22	6.07	22	15.56	22	17.00	British	Pacific Steam Nav. Co.	215.7	33.5	17.1	Cristobal, C. Z	Champerico, Guat	General	1,202	1,273	706
Alaska	21	9.40	22	7.15	22	15.58	22	17.00	French	French Line	425.0	55.0	18.3	Havre, France	Vancouver, B. C.	General	1,427	6,990	4,854
Arabien	21	11.48	22	7.10	22	16.20	22	19.12	Danish	Orient S. S. Co	385 0	53 0	28.6	Port Arthur, Tex	Whampoo, China	Case oil, general	7,427½	6,080	4,607
Toyama Maru	21	16.20	22	8.15	22	16.52	22	18.05	Japanese	Nippon Yusen Kaisha.	445.0	58.0	27 0	New York, N. Y.	Shanghai, China.	(8)	7,399	7,815	5,620
S. C. T. Dodd [1]	21	18.25	22	8.45	22	16.58	22	21.30	American	Standard Oil Co	435.0	57.0	18 0	New York, N. Y.	San Francisco, Cal.	Ballast		7,481	4,975
Mojave [1]	22	1.40	22	9.48	22	17.32	22	18.43	American	Standard Transp. Co.	435.0	56 2	20.9	Providence, R. I.	Los Angeles, Calif.	Ballast		7,434	5,066
Canadian Pioneer	22	5.45	22	10.50	22	17.52	22	19.12	British	Can. Gov. Mer. Mar	400.0	52 0	23.0	Antwerp, Belgium	Vancouver, B. C.	General	5,853	5,877	4,070
Selma City	22	12.30	22	12.50	22	19.49	22	20.50	American	Isthmian S. S. Lines	424 2	56 2	25 0	Mobile, Ala	Yokohama, Japan	General	7,773	7,611	5,450
West Camargo	22	4.50	22	13.22	22	20 52	22	22.00	American	McCormack S. S. Co.	427 0	54 0	24 0	Rosario, Argentina.	San Francisco, Cal.	General	6,760	6,624	4,910
Esperanza [6]	22	17.10	23	6.15	23	14.23	23	19.12	Norwegian.	Lars Thorsen.	339 7	44 0	22.0	Norfolk, Va.	Magdalena Bay	Coal	1,900		
Albemarle	22	6.15	23	6 15	23	15.24			Norwegian.	Hugo Stray	171 6	31 0	12 6	Oslo, Norway	Galapagos Is., Ec.	General	300	736	427
O-8 [7]			23	6 10	23	14.12			American	U. S. Navy	172 4	18 0		Cristobal, C. Z	Balboa, C. Z	Ballast			
O-10 [7]			23	6.10	23	14.12			American	U. S. Navy	172 4	18.0		Cristobal, C. Z	Balboa, C. Z	Ballast			
President Hayes	23	5.30	23	7.30	23	15.07	23	20.13	American	Dollar Line	502 1	62 2	24.6	New York, N. Y.	San Francisco, Cal.	General	3,554	12,023	8,443
K. R. Kingsbury [1]	23	7.08	23	8.35	23	16.00	23	20.42	American	Standard Oil Co	449 0	58.0	20.10	New York, N. Y.	Los Angeles, Calif	Ballast		9,033	5,938
Lorentz Bruun [6]	22	22.00	23	9.10					Norwegian.	So. Atl. Whaling Co.	111 0	23 0	10.0	Sandifjord, N'way	Magdalena Bay	Gun powder.	1½	228	57
Cowden Law	23	4.50	23	10.50	23	18.13	23	19.59	British	Thos. Law & Co	420 5	55.0	25 9	New Orleans, La.	Sydney, Australia	General	6,808	6,321	4,548
Guayaquil	21	14.45	23	12.10	23	19.26	23	20.42	American	Panama R. R. S. S. Line	251.0	43 6	21 8	New York, N. Y	Guayaquil, Ecuador	General	2,594	2,874	1,944
Posillipo	22	12.23	23	11.55	23	19.06	23	20.12	Italian	Italian Line.	380 0	53.0	16 6	Genoa, Italy	Valparaiso, Chile	General	1,473	6,270	4,334
Lancaster	23	11 55	23	12.40	23	20 04	23	21 23	American	Argonaut S. S. Line.	435 0	57 6	21 6	Baltimore, Md	Tacoma, Wash	Steel, general.	6,566	7,935	5,841
Italy Maru	22	15.30	23	13.15	23	20.54	23	22.16	Japanese.	Kerr S. S. Line	385 0	51 0	24.8	Galveston, Tex	Shanghai, China.	General	6,721	5,914	4,388
Charles Christensen	23	13.20	23	13.40	23	21.40	23	22.45	American	Sudden and Christensen	409.7	54 2	16.0	Baltimore, Md	San Francisco, Cal.	General	1,760		
Eileen [2]			23		23	15.40			American	C. A. Blair				Cristobal, C. Z	Balboa, C. Z	Ballast		4	4

[1] Tanker. [6] Whaler. [7] Submarine. [8] Cotton, machinery, and general.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Java Arrow [1]	16	19.00	17	6.05	17	14.10	17	14.10	American	Standard Oil Co. of N.Y.	463 3	62.7	27.6	Los Angeles, Calif.	Baltimore, Md	Gasoline	11,350	10,084	7,246
San Manuel [1]	17	5 30	17	7.26	17	15.15	17	18.20	British	Anglo-Mexican Pet. Co.	407.2	52 3	27 6	Los Angeles, Calif	London, England	Gasoline	7,216	6,183	4,343
El Lobo [1]	16	18 30	17	8.17	17	16.35	17	17.30	British.	C. T. Bowring & Co	385.2	51 0	24.0	La Libertad, Peru	Philadelphia, Pa.	Crude oil	6,188	4,851	3,311
Savoia	17	5.00	17	9.38	17	17.25	17	19.15	Italian	Nav. Libera-Triestina	404 2	54 0	23 0	San Francisco, Cal.	Genoa, Italy	General	7,224	5,869	4,239
Venezuela	17	9.30	17	10 41	17	18.25	18	16.32	Italian	Italian Line	420 0	51.6	21 5	Valparaiso, Chile	Genoa, Italy	General	3,686½	7,622	5,051
O-2 [9]			17	8.12	17				American	U. S. Army				Balboa, C. Z	Cristobal, C. Z				
Liverpool Maru	17	24.00	18	6.15	18	14.00	18	14.00	Japanese.	Kokusai Kisen Kaisha.	385 0	51 0	25 6	Portland, Oreg	Lisbon, Portugal.	Wheat	6,679	5,919	4,400
Mericos H. Whittier [1]	18	1.00	18	7.26	18	15.20	18	15.20	American	Associated Oil Co	435 6	56 2	28 0	San Francisco, Cal.	New York, N. Y.	Gas oil	10,000	7,426	5,128
Cliona [1]	18	2 00	18	8 16	18	16.50	20	16.00	British	Anglo-Saxon Pet. Co	400 0	52.0	26.3	Los Angeles, Calif	Cristobal, C. Z.	Fuel oil	7,526	6,029	4,132
Acajutla	18	6.15	18	8 30	18	15 40	22	6.07	British	Pacific Steam Nav. Co	215 7	33 5	13 6	Champerico, Guat	Cristobal, C. Z	General	446	1,273	706
Essequibo	18	7.30	18	9.13	18	17 05	19	12.35	British	Pacific Steam Nav. Co.	450 0	57 8	25 0	Talcahuano, Chile	New York. N. Y.	General	3,384	9,158	6,176
Mexican	18	7.40	18	9.36	18	17.35	18	17.35	American.	Amer.-Hawaiian Line	472 3	57 2	28 0	Portland, Oreg	Boston, Mass	General	9,915	9,258	6,874
Orleans	18	8.44	18	9 59	18	18.00	18	18.00	American	Quaker Line	395.5	55 0	25.6	Aberdeen, Wash	Wilmington, Del.	Lumber	5,842	7,330	5,233
Sidgal	18	10.00	18	10 49	18	20.00	21	13.10	Norwegian.	Colombian Transp. Co	210 0	33 0	13 9	Buenaventura, Col.	Cristobal, C. Z.	General	826	1,063	685
San Nazario [1]	18	12.30	18	13.33	18	22.30	19	4.34	British	Anglo-Saxon Pet. Co	525 5	66.5	30 0	San Francisco, Cal.	London, England.	Fuel oil	15,527	12,158	8,463
Suwordenco	18	17 35	19	6 11	19	14.15	19	20 05	American	Transmarine Lines	324 0	46.2	24 0	Gray's Har., Wash.	Port Newark, N. J.	Lumber	4,360	3,984	2,612

[1] Tanker. [9] U. S. Army launch.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net
San Rosendo [1]	19	4 30	19	7 15	19	15 35	19	18 27	British	Anglo-Mexican Pet. Co.	407 0	52 2	25 0	Los Angeles, Calif	London, England	Gasoline	7,305	6,237	4,353
El Capitan.	19	3 15	19	8 18	19	15 35	19	15 35	American	Swayne & Hoyt	289 0	44 0	19 3	Powell River, Wash.	New Orleans, La.	General	3,200	2,939	2,020
Chenston.	19	10 15	19	11 09	19	19 25	19	21 00	British	Ardmore S. S. Co	390 0	50 5	25 10	Tocopilla, Chile	Jacksonville, Fla.	Nitrate	7,467	5,363	3,704
Ipswich	19	10 32	19	12 18	19	19 55	19	19 55	American	Amer. Ship. & Nav. Co.	409 7	54 2	26 6	Portland, Oreg	Baltimore, Md.	Lumber, general.	7,472	6,616	4,614
Eastern Knight.	19	11 00	19	13 11	19	21 05	19	21 05	American.	Columbia-Pac. Ship. Co	415 1	55 7	27 6	Portland, Oreg	New York, N. Y.	(2)	9,105	7,643	5,657
Fernbank [1]	19	13 06	19	14 02	19	22 05	19	22 05	Norwegian.	Fern Line	382 7	53 4	25 0	Saigon, Fr. Id, China	Habana, Cuba..	(2)	6,251	6,112	4,265
Hadnot [1]	19	18 00	20	6 37	20	14 20	20	14 20	American	Cities Service Trans. Co.	416 9	56 2	29 0	Los Angeles, Calif	Boston, Mass. ..	Crude oil	10,336	6,706	4,639
Hagood	19	20 57	20	7 20	20	15 10	20	15 50	American	Cities Service Trans. Co.	435 6	56 2	28 6	Los Angeles, Calif..	New York, N. Y.	Gas oil	9,167	7,426	5,094
Andrea F. Luckenbach.	19	21 15	20	8 10	20	15 40	20	15 40	American	Luckenbach Line	496 0	68 0	30 03	Portland Oreg.	Boston, Mass	Lumber, general	13,100	11,487	8,762
Bidwell [1]	20	3 35	20	9 13	20	17 45	20	18 30	American	Sun Oil Co	431 0	59 2	27 4	Los Angeles, Calif	Baltimore, Md	Gasoline	10,347	7,825	4,840
Robin Goodfellow	20	5 30	20	10 10	20	18 00	20	18 00	American	Seas Shipping Co	424 5	55 2	25 0	N. Westchester, B. C	Boston, Mass	Lumber	7,782	7,473	5,536
Swiftwind	20	4 37	20	11 05	20	19 20	20	19 20	American	C. D. Mallory & Co.	464 6	60 20	27 2	Los Angeles, Calif	Fall River, Mass.	Crude oil	11,090	8,473	5,797
Finland	19	21 45	20	11 29	20	19 05	20	19 20	American	Panama-Pacific Line	569 0	69 2	31 0	San Francisco, Cal.	New York, N. Y	General	6,493	13,559	9,016
Grootendijk.	20	6 20	20	13 00	20	20 30	20	20 30	Dutch.	Holland-Amer. Line.	459 0	58 0	29 6	Vancouver, B. C.	Antwerp, Belgium	Wheat, general	10,111	8,730	5,860
Singapore Maru	20	12 45	20	13 20	20	21 35	20	21 35	Japanese	Kokusai Kisen Kaisha.	385 0	51 0	26 5	Portland, Oreg	Norfolk, Va [2]	Wheat	7,657	5,914	4,389
Castle Town	20	14 18	21	6 32	21	14 10	21	14 10	American	The Chas. Nelson Co.	321 7	50 0	22 6	Port Angeles, Wash	New York, N. Y.	Lumber	4,980	3,872	2,568
Kansan	21	4 50	21	7 28	21	15 25	21	17 05	American	Amer.-Hawaiian Line	404 6	53 95	26 0	Seattle, Wash	Boston, Mass	General	5,170	6,779	4,921
Albertelite [1]	21	2 15	21	8 11	21	16 43	21	16 43	British	Imperial Oil Co., Ltd.	463 03	60 2	27 09	Talara, Peru	Montreal, Canada	Crude oil	11,817	8,491	5,879
City of Victoria	21	2 06	21	9 39	21	18 00	22	8 49	British	J. Coughlan & Son, Ltd	411 5	54 1	25 3	Vancouver, B. C.	New York, N. Y.	Lumber, hides.	8,076	6,597	4,989
S-47 [2]			21	10 15	21	16 50			American	U. S. Navy				Balboa, C. Z	Cristobal, C. Z				
Invergarry [1]	21	11 45	21	12 41	21	20 35	22	1 05	British	Andrew Weir & Co	412 6	55 8	28 6	Los Angeles, Calif	Ceuta, Morocco	Fuel oil	8,666	7,101	4,709
Marore	21	18 30	22	5 50	22	15 10	22	15 10	American	Ore S. S. Corp	550 3	72 2		Cruz Grande, Chile	Baltimore, Md	Iron ore	20,000	15,551	4,297
F. H. Wickett [1]	21	14 40	22	6 59	22	16 30	22	16 30	American	Huasteca Petroleum Co.	469 3	62 07	28 0	Los Angeles, Calif	New York, N. Y	Fuel oil	12,100	9,666	7,034
Capitaine Joseph Plisson.	21	13 40	22	8 03	22	20 10	25	8 55	French	Aux. Chargeurs Fran'se	363 0	49 0	22 0	Papeete, Tahiti	Baltimore, Md	Copra, chrome	5,058	4,941	3,291
Southwestern Miller	21	17 30	22	9 09	22	17 18	22	17 18	British	Furness Line	420 0	53 4	28 6	Vancouver, B. C.	London, England	General	7,800	7,138	5,122
Hakodate Maru	21	17 30	22	10 44	22	19 00	23	8 18	Japanese	Nippon Yusen Kaisha	400 0	54 50	21 0	Kobe, Japan	New York, N. Y	General	6,774		
S-46 [2]			22	11 38	22	17 50			American	U. S. Navy				Balboa, C. Z	Cristobal, C. Z				
Borgestad [1]	22	12 55	22	13 31	22	20 30	22	20 30	Norwegian.	Gunner Knudsen	351 3	54 4	22 11	Port Alberni, Wash.	Port Newark, N. J.	Lumber	5,600	4,716	3,235
San Quirino [1]	23	3 45	23	5 58	23	14 05	23	14 05	British	Anglo-Mexican Pet. Co.	407 2	52 2	25 6	San Francisco, Cal	London, England.	Gasoline	7,760	6,156	4,212
Agnes E. [1]	23	00 05	23	6 19	23				Panaman	Pacific Fruit Co	57 8	19 7	7 6	Panama, R. P	Gatun, C. Z	Bananas		57	29
R. W. Stewart [1]	22	15 00	23	7 12	23	17 00	23	17 00	American	Pan-Amer. Pet. & Tr. Co.	467 6	62 7	29 0	Pt San Luis, Calif	New York, N. Y.	Fuel oil	12,925	9,363	6,874
Depere	22	13 40	23	8 32	23	18 29	23	18 20	American	Alaska S. S. Co	320 75	46 0	20 0	Seattle, Wash	Boston, Mass	Lumber	3,491	3,803	2,344
Corinto	22	15 45	23	8 38	23	18 35			American	Panama Mail S. S. Co.	261 1	40 0	14 0	San Francisco, Cal.	Cristobal, C. Z	General	875	2,352	1,549

[1] Tanker. [2] Motor ship. [3] Lumber, copper and silk. [4] Copper, hemp, and rice. [5] For orders. [6] Submarine. [7] Commercial launch.

William Campion	22	16.35	23	8.50	23	17.45	23	17.45	American	Garland S. S. Corp.	384.4	51.2	25.0	Aberdeen, Wash.	New York, N. Y.	Lumber	6,000	6,327	4,433
Arana	23	2.40	23	9.03	23	19.40	24	8.20	British	Pacific Steam Nav. Co.	303.0	43.0	17.0	Guayaquil, Ecuad.	New York, N. Y.	(16)	1,171	2,851	1,697
Steel Scientist	23	6.20	23	9.45	23	19.20	23	23.10	American	U. S. Steel Products Co.	424.0	56.2	26.10	Honolulu, T. H.	Baltimore, Md.	General	8,272	7,611	5,454
Paulsboro [1]	23	6.30	23	10.46	23	20.05	23	20.05	American	Vacuum Oil Co.	435.0	56.0	27.0	Los Angeles, Calif.	Philadelphia, Pa.	Crude oil	10,512	7,041	4,837
Reiman	23	14.40	23	15.07	23	22.10	23	22.10	American	Munson S. S. Line	324.0	46.2	22.0	Portland, Oreg.	Boston, Mass.	Lumber	3,099	3,967	2,530

[1] Tanker. [16] Coffee, cocoa, and hides. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
October 17.	Parismina	United Fruit Co.	New Orleans via Habana.	October 17.	Limon	United Fruit Co.	New York via Habana.
October 17.	Calamares	United Fruit Co.	Port Limon, Costa Rica.	October 17.	Calamares	United Fruit Co.	New York via Habana.
October 18.	El. Panquiaco	Panaman Government	Colon, R. P.	October 17.	Parismina	United Fruit Co.	Bocas del Toro, R. P.
October 18.	Pastores	United Fruit Co.	New York via Habana.	October 17.	Ancon	Panama Railroad S. S. Line.	New York via Haiti.
October 20.	Nellie Moulton [17]	Surgeon Brothers	Colon, R. P.	October 18.	El. Panquiaco	Panaman Government	Colon, R. P.
October 20.	Willeness [18]	M. Cosarageis	Colon, R. P.	October 20.	Parismina	United Fruit Co.	New Orleans via Habana.
October 20.	Parismina	United Fruit Co.	Bocas del Toro, R. P.	October 20.	Pastores	United Fruit Co.	Port Limon, Costa Rica.
October 20.	Camden	United Fruit Co.	Baytown, Tex.	October 20.	Willeness [18]	M. Cosarageis	Colon, R. P.
October 20.	Sixaola	United Fruit Co.	New York via Kingston.	October 21.	Tivives	United Fruit Co.	New York via Kingston.
October 20.	Atenas	United Fruit Co.	New Orleans via Habana.	October 21.	Sixaola	United Fruit Co.	Colombian ports.
October 20.	Perou	French Line	St. Nazaire via wayports.	October 21.	Camden	United Fruit Co.	Baytown, Texas.
October 21.	Favorita	Standard Fruit S. S. Co.	New Orleans, La.	October 21.	Atenas	United Fruit Co.	New Orleans and wayports
October 21.	Tivives	United Fruit Co.	Santa Marta, Colombia.	October 21.	Favorita	Standard Fruit S. S. Co.	San Blas, R. P.
October 22.	Favorita	Standard Fruit S. S. Co.	San Blas, R. P.	October 22.	Perou	French Line	St. Nazaire via wayports.
October 23.	Rafael Salcedo	Ulen & Co.	Pto. Colombia, Colombia.	October 23.	Favorita	Standard Fruit S. S. Co.	New Orleans, La.
October 23.	San Jose	United Fruit Co.	New York via wayports.	October 23.	San Jose	United Fruit Co.	New York via Habana.
October 23.	Philadelphian	Leyland Line	Liverpool via wayports.	October 23.	Nellie Moulton [17]	Surgeon Brothers	Colon, R. P.

[17] Motor schooner. [18] Schooner.

PORT OF BALBOA.

October 17.	D. G. Schofield	Standard Oil Co. of California.	Los Angeles, Calif.	October 18.	D. G. Schofield	Standard Oil Co. of California.	Los Angeles, Calif.
October 19.	Rosana [17]	Alberto Fait	Puntarenas, Costa Rica.	October 21.	Montebello	Union Oil Co. of California	Los Angeles, Calif.
October 20.	Ginyo Maru	Nippon Yusen Kaisha	Hongkong, China.	October 21.	Ginyo Maru	Nippon Yusen Kaisha	Valparaiso, Chile.
October 19.	Montebello	Union Oil Co. of California.	Los Angeles, Calif.				
October 21.	Cattaro	Hamburg-American Line	Buenaventura, Colombia.				

* Other than ships passing through the Canal.

Price of Fuel Oil at Panama Canal Storehouses.

In the issue of THE PANAMA CANAL RECORD for October 20, 1926, the price of fuel oil to individuals and companies was erroneously quoted at $1.50 per barrel of 42 gallons. At the Panama Canal storehouses, the price of fuel oil on sales to individuals and companies is $2 per barrel of 42 gallons and this price should have been quoted in the issue of October 20 last.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Sailings of Panama Railroad Steamship Line.

Following are proposed dates of sailings of passenger vessels in the New York-Cristobal service of the Panama Railroad Steamship Line, in which the steamers *Ancon* and *Cristobal* are engaged, sailing alternately:

Steamer.	Leave New York 3 p. m.	Leave Port-au-Prince p. m	Arrive Cristobal a. m.	Leave Cristobal 3 p. m.	Leave Port-au-Prince p. m.	Arrive New York a. m.
Cristobal	October 19	October 24	October 27	October 31	Nov. 3	Nov. 8.
Ancon	Nov. 3	Nov. 8	Nov. 11	Nov. 15	Nov. 18	Nov. 23.
Cristobal	Nov. 16	Nov. 21	Nov. 24	Nov. 28	Dec. 1	Dec. 6
Ancon	Nov. 30	Dec. 5	Dec. 8	Dec. 12	Dec. 15	Dec. 20.
Cristobal	Dec. 14	Dec. 19	Dec. 22	Dec. 26	Dec. 29	January 3.
Ancon	Dec. 28	Jan. 2	Jan. 5	Jan. 9	Jan. 12	Jan. 17

Steamers sail at 3 p. m. from Pier 65, North River, Foot of West 25th St., New York.

The stay of steamers at Port-au-Prince, Haiti, is of sufficient length of time to allow passengers to visit points of interest.

WEST COAST SERVICE.

In addition, a regular freight service is maintained without calls en route direct to Cristobal, Buenaventura and Ecuadorian Ports. Particulars upon application.

All vessels call at Port-au-Prince, Haiti, which is approximately 5 days from New York and 60 hours from Cristobal.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

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Entered as second-class matter February 6, 1918, at the Post Office at Cristobal, C. Z., under the Act of March 3, 1879.

Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., November 3, 1926. No. 13.

Canal Traffic During October, 1926.

During the month of October, 1926, 445 commercial vessels and 19 small launches transited the Canal. Tolls on the commercial vessels aggregated $1,989,213.93, and on the launches $124.56, or a total tolls collection of $1,989,338.49.

The daily average number of transits of seagoing vessels for the month was 14.36, and the daily average tolls collection $64,168.19. The average amount of tolls paid by each of the commercial transits was $4,470.14, as compared with $4 528.31 for the month of September.

Although tolls collections during the past month were less than during the two preceding months, the monthly average for the first 10 months of the present calendar year is slightly in excess of $2,000,000.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 10 months of the current calendar year, with the daily average of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
January	479	$2,103,368.29	15.45	$67,850.59
February	424	1,835,226.47	15.14	65,543 80
March	506	2,206,212.20	16.32	71,168 13
April	425	1,917,457.11	14 16	63,911.90
May	470	2,056,965.55	15.16	66,353.72
June	419	1,852,670 66	13.96	61,755.68
July	456	1,980,719.67	14.71	63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626 42	14 86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
Totals	4,534	20,016,502.21	14.91	65,843.75

Statistics of traffic passing through the Canal for the period from January 1 to October 31, inclusive, for the past 6 years, are given in the following tabulation:

January 1 to October 31, inclusive.	No. of transits.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
1921	2,322	9,476,156	$9,334,451.83	8,898,512
1922	2,399	10,280,030	9,996,401.11	10,748,594
1923	4,095	20,027,081	18,572,919.76	20,447,616
1924	4,102	20,550,033	19,164,984.30	21,664,854
1925	3,888	18,672,715	17,398,775.49	19,319,709
1926	4,534	21,668,695	20,016,502.21	23,004,018

Notice to Mariners.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., October 29, 1926.

Electric light (listed as No. 1704, page 300 of H. O. No. 30, 1926, "Light Lists") at head of pier on Margarita Island, was removed on October 27, 1926, as was also the pier.

M. L. WALKER,
Governor.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, October 30, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Tainui	23	3 20	24	6 05	24	12 55	24	14 00	British	Shaw, Savill & Albion	477 8	61 0	27 5	London, England	Wellington, N. Z	General	5,500	10,631	7,606
Steelore	23	3 45	24	6 10	24	14 29	24	15 45	American	Ore S. S. Corp	550 3	72 2	21 6	Norfolk, Va	Cruz Grande, Chile	Ballast		15,551	4,297
Cerro Azul [1]	24	1 50	24	7 40	24	15 22	24	16 40	American	Huasteca Petroleum Co.	480 5	65 9	21 6	New Orleans, La.	Los Angeles, Calif	Ballast		9,398	6,453
Canadian Prospector	23	19 30	24	7 25	24	14 44	24	16 00	British	Can. Gov. Mer. Marine.	400 0	52 0	22 0	Montreal, Canada	Vancouver, B. C.	General	4,250	5,893	4,068
Maria Stathatos	23	21 55	24	8 30	24	16 06	24	17 30	Greek	D. A. Stathatos & Co	400 0	52 0	24 6	Antwerp, Belgium	Los Angeles, Calif	Coke, chalk	6,084	5,780	4,047
Diana Dollar.	24	8 33	24	9 00	24	16 25	24	19 45	American	Dollar Line	429 0	55 2	20 0	New York, N. Y.	Seattle, Wash	General	4,500	7,582	5,521
Myriam [1]	24	15 55	25	6 20	25	12 53	25	17 15	French	Cie. Aux. de Navigation.	425 0	56 8	22 0	Southampton, Eng.	Los Angeles, Calif	Ballast		7,178	5,072
Sunbeam [1]	25	6 50	25	7 25	25	14 05	25	15 50	American	Sun Oil Co	429 3	59 2	20 0	Tampa, Fla	Los Angeles, Calif	Ballast		7,709	5,481
Point Sur	25	7 12	25	7 40	25	15 55	28	12 20	American	Swayne & Hoyt	324 0	46 2	23 6	New Orleans, La.	Seattle, Wash	General	4,398	3,984	2,612
Iossifoglu [2]	25	8 50	25	9 40	25	17 02	25	22 53	British	W. A. Souter & Co.	400 8	53 6	23 7	Santiago, Cuba.	Shanghai, China.	Sugar	7,500	6,903	5,185
Carolyn	25	10 48	25	11 00	25	17 56	25	22 05	American	Grace Line	313 6	46 1	21 0	New York, N. Y.	Chanaral, Chile	Machine oil, etc	4,102	3,644	2,566
Pittsburg [3]	24	13 33	25	12 45	25	19 58	29	10 40	American	U. S. Navy	504 0	69 0	...	New York, N. Y.	Manila, P. I.	Ballast			
Asiatic Prince [2]	25	15 35	26	6 20	26	14 07	26	15 05	British	Prince Line, Ltd	441 7	60 0	23 9	New York, N. Y.	Yokohama, Japan	General	6,058	9,240	6,300
City of Pittsburg	25	16 38	26	7 10	26	14 52	26	16 00	British	Ellerman-Hall Line	465 0	58 6	23 9	New York, N. Y.	Adelaide, Australia.	General	6,689	9,660	7,415
Robin Hood.	25	22 55	26	8 15	26	17 14	26	18 25	American	Seas Shipping Co	424 8	55 2	25 0	New York, N. Y	Vancouver, B. C	General	7,827	7,473	5,533
Montanan	26	9 00	26	10 45	26	17 37	26	18 25	American	Amer.-Hawaiian Line	404 6	53 0	20 8	Boston, Mass.	Seattle, Wash	General	4,971	6,756	4,775
Vardulia.	25	15 00	26	11 30	26	18 50	27	00 38	British	Com'lth & Dom. Line	423 0	56 0	21 11	New York, N. Y	Brisbane, Australia.	General	4,047	6,421	4,617
Steel Trader	26	12 15	26	12 35	26	20 17	27	2 53	American	Isthmian S. S. Lines	424 2	56 2	26 4	Baltimore, Md	Shanghai, China.	(5)	8,031	7,611	5,450
Rio Pescado [3]			26		26	9 19			American	San Blas Dev. Co				Cristobal, C. Z	Gatun, C. Z	Towing barge		3	3
Bethore	26	10 25	27	6 05	27	13 31	27	14 40	American	Ore S. S. Corp	550 3	72 2	24 5	Norfolk, Va.	Cruz Grande, Chile	Ballast		15,476	4,354
Mystic	26	21 50	27	6 20	27	13 38	27	14 40	American	Arrow Line	400 0	54 0	17 6	New York, N. Y.	Seattle, Wash	General	2,080	6,623	4,625
Parana	26	19 50	27	7 25	27	14 16	27	16 27	British	Royal Mail S. P. Co	375 0	48 3	18 0	Rotterdam, Holland	Seattle, Wash	Ballast		4,716	3,359
Sucubaco	26	23 55	27	7 25	27	14 40	27	15 40	American	Transmarine Lines	324 0	46 0	17 0	Newark, N. J	Los Angeles, Calif	General	1,166	3,984	2,628
Seekonk [4]	27	4 30	27	7 35	27	15 05	27	16 15	American	Amer. Ship. & Com. Co	390 0	54 2	21 0	Antwerp, Belgium	Vancouver, B. C.	General	3,001	6,162	4,417
James B. Duke.	27	4 40	27	8 45	27	15 58	27	16 55	American	Garland S. S. Corp	385 0	51 2	21 0	Philadelphia, Pa	Gray's Har., Wash.	General	4,628	6,242	4,471
Dacre Castle	27	3 59	27	9 40	27	71 13	27	19 45	British	James Chambers & Co	400 0	52 0	25 0	New York, N. Y.	Bangkok, Siam.	General	6,801	5,846	4,112
Invergordon [1]	27	6 18	27	10 40	27	17 37	27	18 35	Pritish	Brit.-Mexican Pet. Co.	412 9	55 0	17 6	Liverpool, England	Los Angeles, Calif.	Ballast		7,116	4,433
Fuji Maru	27	7 40	27	10 55	27	18 45	27	23 30	Japanese.	Kawasaki Dockyard Co.	405 0	53 0	27 0	Baltimore, Md	Yokohama, Japan	General	8,250	7,025	5,055
Edward Luckenbach	27	8 45	27	12 00	27	19 25	27	20 35	American	Luckenbach Line	436 0	57 0	26 4	New York, N. Y.	Los Angeles, Calif	General	6,167	8,543	6,427
Sunbeam [1]			27		27	13 06			American	American Banana Corp.	...			Cristobal, C. Z	Gatun, C. Z	(6)		1	1
Barge No. 1.			27		27	13 06			American	American Banana Corp.	...			Cristobal, C. Z	Gatun, C. Z.	Ballast		17	17
Johnny Walker [1]			27		27	14 15			American	United Fruit Co	...			Cristobal, C. Z	Gatun, C. Z	Towing barge		11	11
Scottish American [1]	27	15 15	28	6 30	28	13 01	28	14 15	British	British Tankers, Ltd	425 0	57 0	21 6	Southampton, Eng.	Los Angeles, Calif	Ballast		7,080	5,127
Volunteer.	28	00 40	28	6 35	28	15 15	28	16 25	American	Amer. Pioneer Line, S. B.	410 0	56 0	27 0	New Orleans, La.	Iloilo, P. I.	(7)	7,216	8,214	6,207

[1] Tanker. [2] Motor ship. [3] Cruiser. [4] Launch. [5] Steel, tinplate, cotton, and sulphate of ammonia. [6] Towing barge *No. 1*. [7] Cotton, wax, case oil, and general.

Mongolia	28	6.08	28	7.10	28	14.14	28	23.28	American	Panama-Pacific Line	600.0	65.3	27.8	New York, N. Y.	San Francisco, Cal.	General	1,976	17,041	11,426
Dixie Arrow [1]	28	2.30	28	8.35	28	16.10	28	17.15	American	Standard Transp. Co.	468.3	62.7	21.0	New York, N. Y.	San Francisco, Cal.	Ballast		9,744	7,140
City of Winnipeg	28	0.50	28	9.40	28	16.59	30	14.30	British	Ellerman & Bucknall	431.9	54.9	26.9	New York, N. Y.	Yokohama, Japan	General	9,020	7,415	5,757
Crampton Anderson [1]	28	3.55	28	11.00	28	17.23	28	18.15	American	Huasteca Petroleum Co.	435.0	56.0	19.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,406	5,159
Mineola	27	21.10	28	11.15	28	18.17	28	19.28	American	N. O. & S. A. S. S. Line	298.6	40.0	17.10	New Orleans, La.	Talcahuano, Chile	General	1,553	2,835	1,805
Pleiodon [1]	28	11.30	28	12.00	28	18.56	29	00.30	British	Anglo-Saxon Pet. Co	411.6	53.3	16.6	Avonmouth, Eng.	Los Angeles, Calif.	Ballast		6,325	4,253
Ammon	27	8.25	29	6.00	29	13.11	29	14.20	German	Kosmos Line	438.0	55.0	23.10	Hamburg, Germany	Valparaiso, Chile	General	5,878	7,334	5,221
Relay [8]	9-3	20.50	29	6.25	29	14.14			American	All-America Cables	240.0	32.0	18.0	Cristobal, C. Z.	Balboa, C. Z.	Ballast		1,291	675
Hudson	27	22.15	29	7.09	29	14.15	29	15.30	French	French Line	396.4	50.8	17.3	Antwerp, Belgium	Talcahuano, Chile	General	754	5,948	4,225
Chile [2]	28	14.50	29	7.15	29	14.51	30	00.12	Danish	East Asiatic Co.	425.0	55.2	23.6	Copenhagen, Den'k	Vancouver, B. C.	General	5,537	7,382	5,663
J. A. Moffett, Jr [2]	28	19.30	29	8.30	29	15.32	29	16.35	American	Standard Oil Co	499.2	68.1	17.6	Curacao, D. W. I.	Los Angeles, Calif.	Ballast		11,037	7,995
Tacoma	29	00.10	29	8.50	29	15.56	29	16.55	Danish	Orient S. S. Co.	379.8	53.3	13.3	Copenhagen, Den'k	San Francisco, Cal.	Ballast		6,287	4,559
Theo. Roosevelt [2]	29	7.15	29	9.45	29	16.29	29	21.07	Norwegian	Fred Olsen	425.5	55.2	27.0	Oslo, Norway	Portland, Oreg.	General	7,755	7,593	5,637
Jalisco	29	1.20	29	10.05	29	17.27	31	7.43	Mexican	National Nav. Lines	304.6	45.2	18.0	Tampico, Mexico	Salina Cruz, Mex.	Gas., lub. oil	2,145	3,021	2,159
Apurimac	28	14.15	29	10.50	29	19.55	29	21.07	Peruvian	Peruvian Line	382.0	48.2	24.0	New York, N. Y.	Callao, Peru	General, coal	4,407	4,867	3,544
Dromana	29	1.55	29	11.10	29	18.03	29	19.15	British	Howard Smith	331.0	47.9	17.6	Montreal, Canada	Melbourne, Aust'lia	General	2,103	3,804	2,444
Nictheroy	28	19.30	29	11.45	29	19.02	29	20.29	British	Royal Mail S. P. Co	450.2	58.3	20.1	Antwerp, Belgium	Vancouver, B. C.	General, coffee	2,137	8,874	6 558
Corinto	23	18.35	29	12.20	29	21.02	30	9.33	American	Panama Mail S. S. Co.	261.1	40.0	18.3	Cristobal, C. Z.	San Francisco, Cal.	General	2,153	2,352	1,549
Aconcagua	29	10.03	29	13.35	29	22.00	29	23.20	Chilean	Chilean Line	422.8	56.2	25.10	New York, N. Y.	Valparaiso, Chile	General	3,162	7,758	4,705
Mary J. [3]			29		29	12.17			American	United Fruit Co				Cristobal, C. Z.	Gatun, C. Z.	Ballast		1	1
Chilore	29	6.20	30	6.20	30	14.15	30	15.20	American	Ore S. S. Corp	550.0	72.0	20.0	New York, N. Y.	Cruz Grande, Chile	Ballast		14,538	9,348
Point Judith	30	7.08	30	7.18	30	15.24	30	16.25	American	Swayne & Hoyt	289.0	44.0	18.0	New Orleans, La.	Seattle, Wash.	General	2,549	2,902	1,962
Banan	28	12.10	30	9.40	30	10.05			Norwegian	United Fruit Co	251.0	34.7	13.6	Mobile, Ala.	Gatun, C. Z. [9]	Bananas	234	1,680	987

[1] Tanker. [3] Cable ship. [9] And return to Mobile, Ala.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Stuart Dollar	23	16.55	24	6.20	24	13.55	24	13.55	American	Dollar Line	429.0	55.2	28.6	Seattle, Wash.	New York, N. Y.	Lumber, general	8,471	7,584	5,538
Arizonan	24	2.30	24	7.26	24	15.40	24	15.40	American	Amer.-Hawaiian Line	470.1	57.2	32.2	San Francisco, Cal.	New York, N. Y.	Lumber, general	11,178	9,141	6,684
Swifteagle [1]	24	2.49	24	8.24	24	16.10	24	16.10	American	C. D. Mallory & Co.	464.6	60.2	28.3	Los Angeles, Calif.	Fall River, Mass.	Crude oil	10,926	8,473	5,997
Vacuum [1]	24	3.20	24	10.05	24	17.55	24	17.55	American	Vacuum Oil Co	425.8	57.0	27.2	Los Angeles, Calif.	Philadelphia, Pa.	Crude oil	10,251	7,473	5,034
Mundelta	24	10.20	24	11.26	24	19.05	24	19.05	American	Munson, McCor'k Line	370.0	53.2	24.0	Portland, Oreg.	Baltimore, Md.	Lumber	6,150	5,668	4,297
Colombia	24	11.30	25	6.24	25	13.40	26	2.00	American	Panama Mail S. S. Co.	380.0	48.7	22.6	San Francisco, Cal.	New York, N. Y.	General	1,743	6,015	4,297
George Washington [2]	24	16.00	25	7.28	25	15.05	25	20.05	Norwegian	Norway-Pacific Line	425.5	55.3	29.0	Seattle, Wash.	Malmo, Sweden	Wheat, barley	9,400	7,505	5,627
Santa Teresa	25	5.00	25	8.18	25	16.05	25	19.10	American	Grace Line	360.2	51.6	24.0	Talcahuano, Chile	New York, N. Y.	General	4,053	4,726	4,086
Oregonian	25	14.15	25	15.55	25	22.40	25	23.25	American	Amer.-Hawaiian Line	404.6	53.9	25.7	Portland, Oreg.	Boston, Mass.	General	7,600	6,754	4,780
Amerikaland [2]	26	4.00	26	5.50	26	14.45	26	14.45	Swedish	Ore S. S. Co.	561.0	72.2	33.3	Cruz Grande, Chile	New York, N. Y.	Iron ore	21,400	15,560	4,496
Niobe [1]	25	16.00	26	7.20	26	15.50	26	15.50	Inter-Allied	Standard Oil Co. of N. J.	476.9	62.3	24.9	Los Angeles, Calif.	Lands End, Eng [10]	Gasoline	9,159	8,914	6,674
H. M. S. Colombo [3]	24	8.30	26	8.10	26	16.20	26	16.20	British	British Government	425.0	43.5	15.6	Callao, Peru	Bermuda, B. W. I.	Ballast			
Ashbee [2]	25	14.35	26	9.13	26	17.30	26	23.58	American	Grace Line	333.8	48.0	21.3	Iquique, Chile	New York, N. Y.	General	3,978	4,101	2,687
Delaware [1]	25	16.25	26	9.15	26	17.10	26	18.00	British	Anglo-Amer. Oil Co., Ltd	345.0	44.4	26.0	San Francisco, Cal.	London, England	Lubricating oil	4,881	3,968	2,512
Alkmaar	25	20.30	26	9.42	26	18.25	27	1.30	Dutch	Royal Neth. W. I. Mail	447.2	62.7	26.8	Corral, Chile	Hamburg, Germany	General	10,311	9,505	6,614
Atlantic	25	22.30	26	10.20	26	18.20	26	18.20	American	Argonaut S. S. Line	410.5	54.3	22.0	Seattle, Wash.	Baltimore, Md.	Fir lumber	6,290	6,567	4,917

[1] Tanker. [10] For orders.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Shreveport [1]	26	2 07	26	11 01	26	19 25	26	19 25	American	Cities Service Refi'ng Co.	435 0	56 0	28 9	Los Angeles, Calif	Philadelphia, Pa.	Crude oil	10,570	7,411	5,109
Samuel Q. Brown [1]	26	7 00	26	11 25	26	19 45	26	19 45	American	Tidewater Oil Co.	424 4	58 2	26.11	Los Angeles, Calif	New York, N. Y.	Crude oil	10,569	7,333	5,183
Turpin	26	13 20	26	14 10	26	22 40	27	00 35	German	Roland Line	395 8	52 0	26 5	Punta Arenas, Chile	Antwerp, Belgium	General	7,482	6,175	4,423
Pomona	26	13 55	26	14 30	26	23 10	26	23 10	American	Pomona S. S. Co.	440 0	56 0	27.0	Chemainus, B. C	Boston, Mass	Lumber	8,700	8,324	6,036
Dean Emery [1]	26	21 00	27	7 10	27	15 20	27	15 20	American	Pan-Amer. Pet. & Tr. Co.	429 3	59.2	28 6	Los Angeles, Calif	New York, N. Y.	Fuel oil	11,000	7,709	5,517
Paul Luckenbach	26	22 30	27	8 13	27	15 50	27	15 50	American	Luckenbach Line	471 1	59.2	28 6	Portland, Oreg	Boston, Mass	Lumber, general	10,000	9,027	6,539
Sabine Sun [1]	27	2 00	27	9 06	27	16 30	27	16 30	American	Sun Oil Co.	429 3	59.2	28.04	Los Angeles, Calif	Philadelphia, Pa.	Fuel oil	10,850	7,621	5,277
San Salvador [1]	27	21 00	28	5 55	28	14 50	28	16 55	British	Anglo-Mex. Pet. Co.	407 4	52.2	26.0	Los Angeles, Calif.	London, England	Gasoline	7,385	6,157	4,137
Frederic R. Kellogg [1]	28	3 00	28	7 17	28	15 37	28	15.37	American	Pan-Amer. Pet. & Tr. Co.	425 8	57.0	28.6	Los Angeles, Calif	New York, N. Y.	Fuel oil	10,000	7,178	4,963
Hawaiian	28	3 54	28	7 52	28	15 50	28	15 50	American	Amer.-Hawaiian Line.	404.6	53.9	27 2	Tacoma, Wash	Boston, Mass.	General	5,742	6,766	4,809
Musician	28	10 15	28	10 55	28	19 05	29	7 12	British	T. & J. Harrison.	384 7	52 0	24.0	Portland, Oreg	Liverpool, England	General	6,500	5,212	3,598
Canadian Highlander	28	10 50	28	11 36	28	19 40	29	2 55	British	Can. Gov. Mer. Marine.	400.0	52 4	.....	Vancouver, B. C.	Liverpool, England	Lumber, general.	5,875	6,192	4,402
Remuera	28	9 00	28	13 40	28	19 45	28	19 45	British	N. Z. Shipping Co	485.0	62.3	23.0	Wellington, N. Z	London, England	Frozen, general.	4,274	11,717	8,750
Riol	28	16 50	29	6 17	29	16.00	29	17.10	British	Sir W. R. Smith & Sons	420 05	54.5	24.9	Portland, Oreg.	Cork, Ireland.	Wheat	7,642	6,362	4,722
Ortega	29	6 35	29	7 28	29	17 05	29	20 05	British	Pacific Steam Nav. Co	465 0	56.3	27.9	Coronel, Chile	Liverpool, England	General	5,983	8,345	4,998
Chiman [1]	28	22 45	29	7 14	29	17.05	1	6 00	Panaman	Isthm. Land & Fruit Co	116.0	21 0	10.0	Buenaventura, Col	Cristobal, C. Z	Coffee	230	211	124
Julia Luckenbach	29	7 00	29	8 09	29	17 25	29	17 25	American	Luckenbach Line	436 6	57.25	29.6	Portland, Oreg	New Orleans, La	Lumber, general	8,391	8,543	6,402
Piave	29	7 45	29	9 20	29	18 20	30	5 15	Italian.	Nav. Libera-Triestina	464 2	57.4	26.0	Vancouver, B. C.	Venice, Italy	General	8,981	7,706	5,214
Willfaro	29	11 04	29	11 59	29	19 45	29	19 48	American	Williams S. S. Line	386 9	52 2	26.0	Tacoma, Wash	Philadelphia, Pa.	Lumber, general.	6,196	7,706	4,070
Svealand [1]	29	12 20	30	5 52	30	14 35	30	14 35	Swedish	Axel Brostrom & Son.	561 3	72 2	33.6	Cruz Grande, Chile	Baltimore, Md	Iron ore	20,000	15,425	4,421
Spreewald [1]	29	12 40	30	7 14	30	14 50	30	16 15	German	Hamburg-American Line	399.6	54 2	26.6	Valparaiso, Chile	Hamburg, Germany	([4])	7,877	6,791	4,997
Jamaica	29	16 00	30	8 07	30	15 55	..	.	British	Pacific Steam Nav. Co	220 0	34.0	13 3	Tumaco, Colombia	Cristobal, C. Z	General	792	1,187	622
Byron D. Benson [1]	29	23 15	30	8 59	30	17 23	30	17 23	American	Tidewater Oil Co	465 4	60.2	27.6	Los Angeles, Calif	New York, N. Y.	Crude oil	13,145	8,546	5,870
Tustem [1]	30	2 30	30	9.29	30	17.05	30	17 05	American	Atlantic Refining Co	423.0	57.2	29.6	Los Angeles, Calif	Philadelphia, Pa.	Fuel oil	10,975	7,204	4,768
Henry D. Whiton	30	8 40	30	10 06	30	18 10	30	18 15	American	Union Sulphur Co	356.0	51.6	24.6	Westport, Oreg	Poughkeepsie, N.Y.	Lumber	4,995	5,367	2,925
Santa Tecla.	29	23 35	30	10 24	30	19 00	30	21 05	American	N. O. & S. A. S. S. Co.	298 6	40 0	21.6	Mejillones, Chile.	New Orleans, La.	Nitrate	3,200	2,832	1,803
Lochgoil [1]	29	21 15	30	10 19	30	20 10	31	17 16	British	Royal Mail S. P. Co	485 6	62.3	29.0	Vancouver, B. C.	Rotterdam, Holland	General	9,047	10,803	7,606
Sciota [2]			30	10 33	30	19 40	30	19 40	American	U. S. Navy	155.0	30 0	..	Balboa, C. Z	Cristobal, C. Z	Towing target.			
Tulsa [3].	20	6 00	30	11 26	30	19.00	30	20 20	American	U. S. Navy	241 0	42.1	13.6	Balboa, C. Z	Bluefields, Nic'gua.				
Eurana	30	1 00	30	12 40	30	21 30	30	21 30	American	Planet Line	399 7	56 2	27.0	Everett, Wash.	London, England	General	7,678	7,381	5,595

[1] Tanker. [2] Motor ship. [3] Tug. [4] Cruiser. [4] Saltpeter and oil cakes. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
October 24	Pastores	United Fruit Co	Port Limon, Costa Rica.	October 24	Pastores	United Fruit Co	New York via Habana.
October 24	Convert [15]	Heurtado & Ferrari	Colon, R. P.	October 24	Convert [15]	Heurtado & Ferrari	Colon, R. P.
October 24	Victory [15]	Eiseman & Eleta	Colon, R. P.	October 24	Victory [15]	Eiseman & Eleta	Colon, R. P.
October 24	Inapaquina [16]	United Fruit Co	Colon, R. P.	October 24	Inapaquina [16]	United Fruit Co	Colon, R. P.
October 24	Willinnis [15]	M. Cosaraquis	Colon, R. P.	October 24	Willinnis [15]	M. Cosaraquis	Colon, R. P.
October 24	Emperador [15]	A. Tagarapulos	Colon, R. P.	October 24	Emperador [15]	A. Tagarapulos	Colon, R. P.
October 24	Cabiria [16]	A. Tagarapulos	Colon, R. P.	October 24	Cabiria [16]	A. Tagarapulos	Colon, R. P.
October 24	Olga [16]	A. Tagarapulos	Colon, R. P.	October 24	Olga [16]	A. Tagarapulos	Colon, R. P.
October 25	Heredia	United Fruit Co	New Orleans via Habana.	October 25	Philadelphian	Leyland Line	Galveston, Tex.
October 25	Ulua	United Fruit Co	New York via Habana.	October 25	Heredia	United Fruit Co	Bocas del Toro, R. P.
October 26	Galicia	Hamburg-American Line	Hamburg via wayports.	October 26	Galicia	Hamburg-American Line	Port Limon, Costa Rica.
October 26	Turrialba	United Fruit Co	New Orleans via Habana.	October 27	Stuyvesant	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
October 27	Carare	Elders & Fyffes, Ltd	Avonmouth via Kingston.	October 27	Heredia	United Fruit Co	New Orleans via Habana.
October 27	Heredia	United Fruit Co	Bocas del Toro, R. P.	October 27	Ulua	United Fruit Co	Port Limon, Costa Rica.
October 27	Stuyvesant	Royal Netherlands W. I. Mail	Amsterdam via wayports.	October 27	Carare	Elders & Fyffes, Ltd	Port Limon, Costa Rica.
October 27	Cristobal	Panama Railroad S. S. Line	New York via Haiti.	October 27	Cabiria [16]	A. Tagarapulos	Colon, R. P.
October 27	Carrillo	United Fruit Co	New York via Kingston.	October 27	Maria Luisa [15]	A. Tagarapulos	Colon, R. P.
October 27	Cabiria [16]	A. Tagarapulos	Colon, R. P.	October 27	Willinnis [15]	M. Cosaraquis	Colon, R. P.
October 27	Willinnis [15]	M. Cosaraquis	Colon, R. P.	October 28	Carrillo	United Fruit Co	Colombian ports.
October 27	Maria Luisa [15]	A. Tagarapulos	Colon, R. P.	October 28	Sixaola	United Fruit Co	New York via Kingston.
October 28	Sixaola	United Fruit Co	Colombian ports.	October 28	Turrialba	United Fruit Co	New Orleans via wayports.
October 28	Virginia	Standard Fruit S. S. Co	New Orleans, La.	October 28	Cabiria [16]	A. Tagarapulos	Colon, R. P.
October 28	Cabiria [16] [17]	A. Tagarapulos	Colon, R. P.	October 29	Virginia	Standard Fruit & S. S. Co	San Blas, R. P.
October 29	Stuyvesant	Royal Netherlands W. I. Mail	Port Limon, Costa Rica	October 30	Carare	Elders & Fyffes, Ltd	Bristol via Kingston.
October 30	Virginia	Standard Fruit S. S. Co	San Blas, R. P.	October 30	Virginia	Standard Fruit S. S. Co	New Orleans, La.
October 30	Carare	Elders & Fyffes, Ltd	Port Limon, Costa Rica	October 30	Stuyvesant	Royal Netherlands W. I. Mail	Amsterdam via wayports.
October 30	Esparta	United Fruit Co	New York via wayports.				

[15] Schooner. [16] Motor schooner. [17] Towing schooners *Flor de Panama* and *Maria Christina*.

PORT OF BALBOA.

October 26	Iocoma	International Petroleum Co	Callao, Peru.	October 24	Rosana [16]	Alberto Fait	Puntarenas, Costa Rica.
October 27	Rakuyo Maru	Nippon Yusen Kaisha	Valparaiso, Chile.	October 25	Cattaro	Hamburg-American Line	Buenaventura, Colombia
October 28	Salina	Struthers & Barry	Los Angeles, Calif.	October 28	Rakuyo Maru	Nippon Yusen Kaisha	Far East.
October 29	Utacarbon	Union Oil Co. of California.	Los Angeles, Calif.	October 29	Salina	Struthers & Barry	Los Angeles, Calif.

* Other than ships passing through the Canal.

Visit of Argentine Training Ship "Presidente Sarmiento."

The *Presidente Sarmiento*, training ship for the Argentine Navy, arrived at Cristobal in the afternoon of October 30, 1926. Upon entering the harbor the vessel fired a 21-gun salute which was returned by Fort De Lesseps. Transit of the Canal was made on October 31, and the vessel will remain at Balboa until November 4, when she will leave for Honolulu direct.

The crew consists of 20 officers, 47 cadets, and 289 seamen. The vessel left Liverpool on October 1, stopping at Funchall, Madeira Islands from October 9 to 11. This was the only port of call on the voyage across the Atlantic.

The *Presidente Sarmiento* is a coal burning vessel, 246 feet long, with a beam of 46 feet, and has a loaded displacement tonnage of 2,400.

Price of Coal at the Canal.

BALBOA HEIGHTS, C. Z., October 30, 1926.

TO ALL STEAMSHIP AGENTS:

1. Effective November 1, 1926, the prices of coal as published in The Panama Canal Tariff, Item 21, are increased $3.50 per ton, and deliveries will be limited to quantities sufficient to take steamers to the next coaling port. This action is necessary because of increased costs and existing scarcity of coal in the United States.

2. The following paragraphs of Item 21 of Tariff No. 8, as modified, are quoted to show the prices that will obtain until further notice:

	Cristobal-Colon.	Balboa.
4. For steamships, including warships of all nations, delivered from coaling plants, per ton of 2,240 pounds, except as provided in paragraph 5	$12.00	$15.00
5. For vessels transiting the Canal that are directed by The Panama Canal to take coal at Balboa on account of the condition of the plants, the quantity available, or for the purpose of expediting traffic		12.00
6. For steamships, including warships of all nations, when delivered from lighters in quantities of 50 tons or more, per ton of 2,240 pounds	13.00	16.00
7. For steamships, including warships of all nations, when delivered from lighters in quantities of less than 50 tons, with minimum charge for 20 tons and with maximum charge not to exceed that for 50 tons at prices specified in paragraph 6, per ton of 2,240 pounds	15.00	18.00

M. L. WALKER,
Governor, The Panama Canal.
President, Panama Railroad Company.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Two Weeks Ending October 30, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Ancon	Panama Railroad S. S. Line		October 17		940
London Shipper	Furness, Withy & Co		October 17		290
Parismina	United Fruit Co	October 17	October 17	697	226
Calamares	United Fruit Co	October 17	October 17	86	67
Venezuela	Italian Line	October 17	October 18	185	332
Bologna	Italian Line	October 18	October 19	114	183
Essequibo	Pacific Steam Navigation Co	October 18	October 19	15	556
Cliona	Anglo-Saxon Petroleum Co	October 18	October 20	7,526	(1)
Timaro	Italian Line	October 18	October 19	768	(1)
Pastores	United Fruit Co	October 18	October 20	251	17
Sigdal	Colombian Transport Co	October 18	October 21	826	(1)
Acajutla	Pacific Steam Navigation Co	October 18	October 22	446	(1)
Atrato	Colombian Transport Co		October 21		(1)
Atenas	United Fruit Co	October 20	October 21	1,038	94
Santa Elisa	Grace Line	October 20	October 21	(2)	(1)
Parismina	United Fruit Co	October 20	October 20	75	20
Sixaola	United Fruit Co	October 20	October 21	1,028	730
Camden	United Fruit Co	October 20	October 21	8,926	(1)
Ecuador	Panama Mail S. S. Co	October 20	October 21	579	30
Padilla	Colombian Transport Co	October 20	October 21	88	(1)
Perou	French Line	October 20	October 22	127	15
Tivives	United Fruit Co	October 21	October 21	(2)	143
Guayaquil	Panama Railroad S. S. Line	October 21	October 22	280	(1)
Favorita	Standard Fruit S. S. Co	October 21	October 21	138	6
Alaska	French Line	October 21	October 22	10	(1)
West Camargo	McCormack S. S. Line	October 22	October 22	136	(1)
Posillipo	Italian Line	October 22	October 23	31	(1)
Hakodate Maru	Nippon Yusen Kaisha	October 22	October 23	171	(1)
Philadelphian	Leyland Line	October 23	October 23	35	(1)
Corinto	Panama Mail S. S. Co	October 23		13	
San Jose	United Fruit Co	October 23	October 23		76
Corinto	Panama Mail S. S. Co		October 29		(1)
Pastores	United Fruit Co	October 24	October 24	80	427
Heredia	United Fruit Co	October 25	October 25	57	107
Colombia	Panama Mail S. S. Co	October 25	October 25	213	(1)
Ulua	United Fruit Co	October 25	October 27	205	2
Ashbee	Grace Line	October 26	October 26	3	(1)
Turrialba	United Fruit Co	October 26	October 28	137	9
Galacia	Hamburg-American Line	October 26	October 27	3½	5
Stuyvesant	Royal Netherlands W. I. Mail	October 27	October 27	24	(1)
Ammon	Kosmos Line	October 27	October 29	16	35
Carrillo	United Fruit Co	October 27	October 28	138	8
Cristobal	Panama Railroad S. S. Line	October 27		3,015	
Hudson	French Line	October 27	October 29	2	11
Heredia	United Fruit Co	October 27	October 27	(2)	2
Mineola	Grace Line	October 27	October 28	47	(1)
Sixaola	United Fruit Co	October 28	October 28	(2)	3
Virginia	Standard Fruit S. S. Co	October 29	October 29	101	(1)
Nicthroy	Pacific Steam Navigation Co	October 29	October 29	(2)	286

[1] No cargo laded. [2] No cargo discharged.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending October 30, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Ginyo Maru	Nippon Yusen Kaisha	October 20	October 21	732	179
Colombia	Panama Mail S. S. Co	October 24	October 25	355	
Iocoma	Imperial Oil Co	October 26	October 31	150	
Rakuyo Maru	Nippon Yusen Kaisha	October 27	October 28		22
Salina	U. S. Shipping Board	October 28	October 29	9,138	
Chile	East Asiatic Co	October 29	October 29	134	
Corinto	Panama Mail S. S. Co	October 29	October 30		105
Jamaica	Pacific Steam Navigation Co	October 29	October 30	1	
Utacarbon	Union Oil Company of California	October 30	October 30	6,426	
Rampapo	U. S. Navy	October 31		10,023	

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective October 7, 1926:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0 23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.26
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.26
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.48
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.15
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.14
Paint, zinc oxide, dry	Lb.	.09
Paint, zinc oxide, in oil	Lb.	.14
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.21
Waste, cotton, white	Lb.	.24

Postal and Cable Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., November 10, 1926. No. 14.

Tanker Traffic Through the Panama Canal in October, 1926.

During the month of October, 105 tank ships transited the Canal, with an aggregate net tonnage, Panama Canal measurement of 590,415, on which tolls of $522,466.51 were collected. In point of net tonnage, tanker traffic for the past month showed an increase of approximately 46.4 per cent over the same traffic for the corresponding month a year ago, while cargo tonnage showed an increase of 61.3 per cent over the cargo tonnage of October, 1925.

Tank ships comprised 23.6 per cent of the total commercial transits of the Canal during the month; made up approximately 27.7 per cent of the total Panama Canal net tonnage; were the source of 26.2 per cent of the total tolls collected; and carried approximately 26.3 per cent of the total cargo in transit through the Canal.

The number, aggregate tonnage, tolls, and cargo of tank ships transiting the Canal during the month of October, 1926, segregated by direction of transit and nationality of vessels, are shown in the following tabulations, with comparative totals for the two preceding months and for October, 1925:

Nationality.	No. of vessels	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
British	8	46,216	$33,275.52	.....
Danzig	1	5,929	4,268.88	.....
French	2	9,499	6,839.28	.....
Norwegian	1	5,520	3,974.40	.....
United States	34	191,332	138,047.73	.....
Totals, October, 1926	46	258,496	186,405.81	.....
Totals, September, 1926	59	330,025	244,057.21	34,757
Totals, August, 1926	61	366,605	266,220.59	12,300
Totals, October, 1925	37	198,149	145,774.65	9,266
Pacific to Atlantic.				
British	17	87,242	93,972.50	160,276
French	1	5,05[illegible]	5,445.99	9,2[illegible]
United States	41	239,627	236,642.20	456,310
Totals, October, 1926	59	331,919	336,060.70	625,880
Totals, September, 1926	60	345,775	353,531.95	665,826
Totals, August, 1926	60	347,588	356,559.80	655,955
Totals, October, 1925	36	205,165	217,149.48	378,693

(Continued on page 184.)

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, November 6, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Arawa	30	16 15	31	6 14	31	14 05	31	21 18	British	Shaw, Savill & Albion	459 5	60 5	29 7	London, England	Auckland, N. Z.	General	7,000	10,035	7,504
Roanoke [1]	30	15 20	31	6 25	31	14 26	31	16 03	American	Texas S. S. Co	416 8	56 1	19 1	New York, N. Y.	Los Angeles, Calif	Ballast		6,976	5,103
Presidente Sarmiento [2]	30	13 50	31	7 10	31	15 34	4	23 55	Argentine	Argentine Government	246 0	46 0	22 0	Funchal, Mad'ra Is	Honolulu, T. H.	Ballast			
Emden	30	19 45	31	7 35	31	16 26	31	19 48	German	Hamburg-American Line	389 1	52 1	18 5	Hamburg, Germany	Valparaiso, Chile	General	2,145	5,994	4,057
Missourian [3]	31	6 57	31	8 55	31	15 58	31	17 02	American	Amer.-Hawaiian Line	445 0	52 8	24 0	Boston, Mass.	Portland, Oreg.	General	5,779	8,567	6,020
Fernhill [3]	31	12 25	31	13 50	31	19 51	31	21 09	Norwegian.	Fearnley & Eger	377 6	54 0	20 6	Galveston, Tex	Kobe, Japan	Cotton, rails	4,641	6,081	4,538
U. S. N. [4]			31		31	8 14			American	U. S. Navy				Cristobal, C. Z	Gatun, C. Z	Ballast			
Lieut. Wilson B. Gather [5]			31		31	9 45			American	U. S. Army	64 0	17 3		Cristobal, C. Z	Gatun, C. Z	Ballast			
David McKelvy [6]	31	18 00	11-1	6 15	11-1	13 16	11-1	14 10	American	Tidewater Oil Co	430 0	59 0	18 0	New York, N. Y.	Los Angeles, Calif	Ballast		7,629	5,325
Chiman [3]	29	17 05	1	6 00	1	13 40	2	00 45	Panaman	National Navigation Co.	116 0	21 0	8 6	Cristobal, C. Z.	Buenaventura, Col.	General	286	211	124
Sutermeo	31	21 10	1	7 14	1	15 29	1	16 45	American	Transmarine Lines	324 0	46 2	24 8	Newark, N. J.	Los Angeles, Calif	General	3,980	3,984	2,628
Sapelo [1]	30	6 45	1	8 10	1	15 34	1	16 45	American	U. S. Navy	461 0	60 0	21 6	Hampton R'ds, Va.	Los Angeles, Calif	Navy stores	6		
Lochkatrine [3]	31	5 50	1	9 40	1	16 15	1	21 10	British	Royal Mail S. P. Co	485 0	62 0	22 8	Rotterdam, Holland	Vancouver, B. C.	General	4,388	10,802	7,595
Magician	30	18 15	2	6 15	2	15 23	2	16 00	British	T. & J. Harrison	393 0	52 0	18 8	Liverpool, England	Vancouver, B. C.	Ballast		5,786	3,894
S-46 [6]			2	6 00	2	13 59			American	U. S. Navy	225 0	28 0		Cristobal, C. Z	Balboa, C. Z	Ballast			
S-47 [6]			2	6 00	2	13 59			American	U. S. Navy	225 0	28 0		Cristobal, C. Z	Balboa, C. Z	Ballast			
Hikitia [5]	11-1	13 25	2	6 15	2	16 22	2	17 45	British	Wellington Har. Board	160 1	52 3	10 6	Greenock, England	Wellington, N. Z.	Ballast		758	436
Alvarado	1	13 50	2	7 20	2	16 27	2	17 40	British	Pacific Steam Nav. Co	303 0	43 0	18 10	New York, N. Y.	Callao, Peru	General	2,679	2,844	1,748
Brandanger [5]	1	19 55	2	7 30	2	16 57	2	21 50	Norwegian.	Westfal, Larsen & Co	381 6	53 8	23 0	Santos, Brazil.	San Francisco, Cal.	General	6,884	6,289	4,722
S-42 [6]			2	8 10	2	17 42			American	U. S. Navy	225 0	28 0		Cristobal, C. Z	Balboa, C. Z	Ballast			
S-43 [6]			2	8 10	2	17 42			American	U. S. Navy	225 0	28 0		Cristobal, C. Z	Balboa, C. Z	Ballast			
S-44 [6]			2	8 10	2	17 47			American	U. S. Navy	225 0	28 0		Cristobal, C. Z	Balboa, C. Z	Ballast			
S-45 [6]			2	8 10	2	17 47			American	U. S. Navy	225 0	28 0		Cristobal, C. Z	Balboa, C. Z	Ballast			
Maine	2	8 55	2	9 00	2	18 34	2	22 48	American	Seas Shipping Co	402 0	54 0	27 0	New York, N. Y	San Diego, Calif	Steel, general.	8,252	6,936	4,998
Norwich City	1	22 18	2	9 52	2	20 23	2	21 50	British	Canadian Transp. Co	397 0	53 5	24 5	Caibarien, Cuba	Yokohama, Japan	Sugar	7,350	6,051	4,514
Eagle	2	7 55	2	10 07	2	19 24	2	20 30	American	Williams S. S. Line	410 0	56 0	21 9	Baltimore, Md	Tacoma, Wash	General	4,450	8,243	6,266
Port Sydney	2	7 45	2	11 00	2	21 20	2	22 48	British	Com'lth & Dom. Line.	501 0	63 6	27 3	New York, N. Y.	Auckland, N. Z.	General	5,250	11,842	8,957
Easterling	2	10 03	2	11 20	2	22 10	2	23 47	American	Roosevelt S. S. Co., S. B.	385 0	51 0	20 9	New York, N. Y.	Adelaide, Australia	General, case oil	1,345	5,967	4,449
Montrolite [3] [6]	2	11 55	2	12 15	2	22 55	3	2 45	British	Imperial Oil Co	510 9	68 3	23 10	Montreal, Canada	Los Angeles, Calif.	Ballast		11,555	7,678
Planorbis [5]	2	14 35	3	6 15	3	13 29	3	20 50	British	Anglo-Saxon Pet. Co	412 0	53 3	19 0	Liverpool, England	Los Angeles, Calif.	Ballast		6,262	4,340
Galveston [3]	2	16 50	3	6 06	3	14 06			American	U. S. Navy	308 0	44 5	18 3	Bluefields, Nic'gua.	Balboa, C. Z	Ballast			
Radnor	3	8 10	3	8 20	3	15 37	3	23 41	American	Amer.-Pioneer Line	435 0	57 6	21 6	Houston, Tex	Kobe, Japan	(9)	5,620	7,982	5,956
Bengal Maru.	3	5 42	3	9 15	3	16 30	3	17 50	Japanese.	Nippon Yusen Kaisha.	400 0	54 5	23 4	New York, N. Y.	Yokohama, Japan	General	5,631	5,827	4,125
Sutorpeo.	3	3 00	3	9 20	3	17 21	5	15 37	American	Transmarine Lines.	324 0	46 0	22 0	Boston, Mass.	Seattle, Wash	General	4,000	3,984	2,612
Tymeric	3	8 25	3	10 35	3	18 55	4	1 10	British	Andrew Weir & Co	400 0	52 0	26 0	Tampa, Fla	Newcastle, N. S. W.	Phosphate	6,613	6,102	4,530
West Montop	3	9 35	3	10 45	3	17 44	3	19 00	American	Calif. & East'n S. S. Co.	410 0	54 6	21 0	Philadelphia, Pa.	Tacoma, Wash	General	6,422	6,484	4,670

[1] Tanker. [2] Training ship. [3] Motor ship. [4] Launch. [5] Tug. [6] Submarine. [7] Crane boat. [8] Cruiser. [9] Cotton, phosphate, and general.

Charles Pratt [1]	4	2.25	4	6.15	4	13.22	4	17.30	American	Standard Oil Co.	500.0	68.0	19.0	New York, N. Y.	Talara, Peru	Ballast		10,313	7,492
Santa Luisa	3	23.25	4	7.55	4	14.14	4	16.50	American	Grace Line	360.2	51.6	24.10	New York, N. Y.	Talcahuano, Chile	General	2,783	5,710	3,998
Chetopa	4	1.35	4	7.35	4	15.23	5	3.38	American	Charles Nelson & Co.	324.0	46.0	24.0	Galveston, Tex.	San Francisco, Cal.	Sulphur	5,175	3,984	2,628
Lewis Luckenbach	3	21.52	4	8.35	4	15.43	4	16.50	American	Luckenbach Line	496.0	68.0	25.7	New York, N. Y.	Seattle, Wash	General	9,000	11,487	8,762
Oran	4	6.20	4	9.35	4	16.58	4	18.00	American	Oriental Navigation Co.	410.6	54.0	20.0	Philadelphia, Pa	Portland, Oreg.	General	3,414	6,755	4,887
Naples Maru	4	8.05	4	10.45	4	17.50	4	19.15	Japanese	Kokusai Kisen Kaisha	385.0	51.0	22.0	Galveston, Tex.	Yokohama, Japan	General, cotton	4,714	6,209	4,670
Saint Joseph	2	15.10	4	12.05	4	18.55	4	19.55	French	French Line	397.0	51.0	19.2	Havre, France	Guayaquil, Ecuador	General	1,662	5,979	4,170
Gen. G. W. Getty [5]			4		4				American	U. S. Army	89.0	22.0		Cristobal, C. Z.	Gatun, C. Z.	Ballast			
Jamaica	30	15.55	5	6.10	5	14.15	5	15.37	British	Pacific Steam Nav. Co.	220.0	34.0	13.10	Cristobal, C. Z.	Champerico, Guat.	General	831	1,187	622
Silverash [3]	11-4	14.03	5	6.20	5	13.09	5	14.35	British	S. & J. Thompson	425.7	58.3	22.10	Baltimore, Md.	Far East	General	6,310	8,219	5,861
President Polk	5	4.55	5	7.35	5	14.40	6	00.07	American	Dollar Line	502.1	62.2	27.0	New York, N. Y.	Los Angeles, Calif.	General	4,431	12,660	9,254
Apple Branch	4	22.27	5	7.35	5	15.04	5	16.50	British	Nautilus S. S. Co	376.0	51.7	21.6	Liverpool, England	Valparaiso, Chile	General	4,000	5,112	3,511
Pacific Commerce [3]	4	23.15	5	8.35	5	15.40	5	16.50	British	Furness, Withy & Co	420.0	54.0	20.0	Glasgow, England	Vancouver, B. C.	General	834	6,996	5,306
Mericos H. Whittier [1]	5	5.30	5	10.00	5	17.44	5	18.05	American	Associated Oil Co	435.6	56.2	20.0	New York, N. Y.	San Francisco, Cal.	Ballast		7,426	5,128
Stuartstar	5	7.15	5	10.55	5	18.00	5	23.13	British	Blue Star Line	475.0	67.0	17.0	Newcastle, Eng.	Vancouver, B. C.	Ballast			
K. I. Luckenbach	5	8.20	5	12.05	5	19.45	6	4.19	American	Luckenbach Line	446.0	65.0	25.6	New Orleans, La.	Los Angeles, Calif.	General	6,895	8,552	6,236
Iowan	5	12.05	5	13.25	5	20.17	6	1.58	American	Amer.-Hawaiian Line	407.7	53.7	23.6	Boston, Mass.	Seattle, Wash.	General	6,046	7,091	5,002
Axel Johnson [3]	5	4.28	6	6.15	6	13.33	7	00.05	Swedish	Johnson Line	392.0	52.6	23.6	Stockholm, Sweden	Vancouver, B. C.	General	5,650	6,642	4,860
Thomas P. Beal	6	5.00	6	7.15	6	14.14	7	1.45	American	Norton, Lilly & Co	394.0	55.0	20.0	New York, N. Y.	Brisbane, Australia	Steel, general	4,683	7,047	5,100
Hahira [1]	6	6.15	6	8.20	6	15.35	6	18.28	American	Atlantic Refining Co	435.6	56.2	18.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,427	5,187
Stensby [3]	5	20.15	6	9.55	6	16.40	6	20.24	Danish	W. L. Cumming	350.2	50.8	18.0	Antwerp, Belgium	San Francisco, Cal.	Coke	4,302	4,917	3,516
Agwibay [1]	6	7.30	6	10.55	6	17.40	6	18.40	American	Inter. Shipping Corp.	468.5	62.7	19.6	Fall River, Mass.	Los Angeles, Calif.	Ballast		9,776	6,903
Belgium Maru	6	8.15	6	11.55	6	19.40	6	23.06	Japanese	Kawasaki Dockyard Co.	385.0	51.0	23.6	Nuevitas, Cuba	Shanghai, China	Cotton, sugar	6,036	6,219	4,611
Atrato [10]	4	17.05	6	11.52	6	19.35	7	15.50	Colombian	Colombian Transp. Co.	94.0	24.6	9.0	Cristobal, C. Z.	Buenaventura, Col.	General	150	160	92
Treworlas	6	12.00	6	13.20	6	20.34	6	21.56	British	Hain S. S. Co	400.0	53.0	23.0	New York, N. Y.	Dunedin, N. Z	Case oil, general	4,616	6,146	4,508
Ida [4]			6		6				American	C. A. Blair				Cristobal, C. Z.	Balboa, C. Z.	Ballast		1	1

[1] Tanker. [10] Motor schooner.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Mariston [1]	30	22.35	31	6.11	31	14.40	31	16.05	British	Andrew Weir & Co	385.0	52.0	24.0	Makatea, Tuamotu	Helsinburg, Sw'den	Phosphates	6,900	5,122	3,651
Standard Arrow [1]	31	6.30	31	7.25	31	14.40	31	14.40	American	Standard Transp. Co.	467.6	62.7	27.6	Los Angeles, Calif.	Boston, Mass	Gasoline	11,335	9,698	6,783
Salvador	30	21.00	31	8.05	31	15.45			British	Pacific Steam Nav. Co	215.0	33.5	14.0	Champerico, Guat.	Cristobal, C. Z.	General	353	1,270	735
Negada	31	6.00	31	8.39	31	17.15	31	22.00	German	Kosmos Line	410.1	52.5	26.5	Corral, Chile	Hamburg, Germany	General	6,549	6,402	4,463
Canadian Explorer	31	8.25	31	9.24	21	17.00	31	19.10	British	Can. Gov. Mer. Marine	400.0	54.0	16.0	Auckland, N. Z.	New York, N. Y.	Wool, general	1,800	5,853	4,058
Santa Rosalia	31	8.15	31	9.47	31	18.00	31	18.00	American	Isthmian S. S. Lines	406.0	52.6	24.10	Tocopilla, Chile	Mobile, Ala	Nitrates	7,916	5,900	4,443
Canadian Ranger	31	11.00	31	11.55	31	19.45	31	20.50	British	Can. Gov. Mer. Marine	413.0	52.0	23.10	Vancouver, B. C.	Montreal, Canada	Lumber, general	5,869	5,879	4,121
Glenbank [3]	31	16.00	11-1	6.22	11-1	13.40	11-1	14.55	British	Bank Line, Ltd	420.0	53.9	25.4	Pisagua, Chile	Alexandria, Egypt	Nitrates	8,300	7,099	5,015
Portland Maru	31	19.30	1	7.15	1	14.55	1	17.10	Japanese	Kokusai Kisen Kaisha	385.0	51.0	25.06	Portland, Oreg.	Europe	Wheat	7,670	5,919	4,424
Reginolite [3] [1]	31	20.40	1	8.09	1	16.04	1	20.00	British	Imperial Oil Co., Ltd.	471.0	62.0	28.5	Lobitos, Peru	Montreal, Canada	Crude oil	12,763	9,231	6,304
Santa Cecilia	11-1	2.00	1	8.50	1	17.05	1	18.10	American	Planet Line, Inc	404.0	53.9	26.0	Seattle, Wash	Baltimore, Md	Lumber, general	5,800	6,745	4,562

[1] Tanker.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Lebore	2	3.46	2	6.08	2	15.45	2	15.45	American	Ore S. S. Corp.	549.65	72.25	34.0	Cruz Grande, Chile	New York, N. Y.	Iron ore	20,000	14,325	4,635
W. S. Rheem [1]	2	1.00	2	7.20	2	16.20	2	16.20	American	Standard Oil Co. of Calif.	590.0	68.2	28.3	Los Angeles, Calif	Bayonne, N. J.	Gasoline	13,800	11,224	7,895
Thalia [11]	2	2.35	2	8.11	2	16.59	2	16.53	Danzig	Deutsch Amer. Pet. Co.	470.09	63.20	27.0	Los Angeles, Calif	Rotterdam, Holland	Gas oil	11,427	9,018	5,929
La Marseillaise	1	18.00	2	8.43	2	17.50	3	20.15	French	French Line	429.5	58.3	29.0	Los Angeles, Calif	Havre, France	General	9,457	8,975	5,580
Amasis	1	21.30	2	8.58	2	17.51	2	23.15	German	Kosmos Line	438.7	55.33	24.8	San Francisco, Cal.	Hamburg, Germany	General	7,832	7,296	5,174
Canadian Miller	1	23.30	2	9.43	2	18.30	2	31.00	British	Can. Gov. Mer. Marine	430.3	52.35	16.0	Adelaide, Australia	Halifax, N. S.	General	900	5,892	4,186
Liciire	1	23.40	2	10.07	2	19.25	2	19.25	American	Standard Transp. Co.	435.0	56.2	28.0	Los Angeles, Calif	New York, N. Y.	Gas oil	10,172	7,557	5,489
Vulcano	2	2.30	2	10.28	2	20.30	3	5.55	Italian	Italian Line	393.0	51.0	26.0	Tocopilla, Chile	Alexandria, Egypt	Nitrates	7,150	5,640	3,964
Gen. G. W. Getty [12]			2	6.40	2	17.25			American	U. S. Army	98.0	22.0		Balboa, C. Z.	Cristobal, C. Z.				
Texan	2	3.46	2	11.09	2	20.00	3	00.20	American	Amer.-Hawaiian Line	471.0	57.2	27.6	Portland, Oreg	Boston, Mass.	Lumber, general	9,146	9,154	6,993
Algonquin [1]	2	8.15	2	12.09	2	22.45	2	22.45	American	Standard Transp. Co.	435.0	56.0	26.6	San Francisco, Cal.	Boston, Mass	Gas oil	9,465	7,602	5,337
Cambrai [13]	1	12.00	2	13.37	2	21.35	2	21.35	American	War Department	448.0	5.82	24.0	San Francisco, Cal.	Brooklyn, N. Y.	General	253		
Clausens	2	9.00	2	13.38	2	23.50	2	23.50	American	Isthmian S. S. Lines	409.8	54.2	23.6	Portland, Oreg	New York, N. Y.	Lumber	6,594	6,581	4,795
Phoenix [1]	2	15.53	3	6.15	3	14.35	3	14.35	American	American Tankers Corp.	400.5	54.3	28.0	Los Angeles, Calif	New York, N. Y.	Gasoline	8,984	6,336	4,389
Horace Luckenbach	2	14.37	3	7.27	3	15.00	3	15.00	American	Luckenbach Line	445.0	58.0	29.0	Portland, Oreg	Boston, Mass	Lumber, general	9,789	8,699	6,363
Brasilier	2	15.20	3	8.00	3	15.40	3	15.40	Belgian	Lloyd Royal Belge	400.0	52.0	27.0	Astoria, Oreg.	St. Thomas, V. I [16]	Wheat	6,822	5,785	4,053
Brynje [11]	2	21.40	3	8.32	3	16.25	3	16.25	Norwegian	Dominion Nav. Co.	351.3	51.4	23.6	Vancouver, B. C.	Philadelphia, Pa.	Lumber	6,000	4,946	3,518
Taketoyo Maru	2	18.45	3	9.32	3	17.05	3	19.53	Japanese	Nippon Yusen Kaisha	445.0	58.0	20.0	Manila, P. I.	Boston, Mass.	General	7,294	7,972	5,687
Hegira	3	3.00	3	9.25	3	17.30	3	17.30	American	Hegira S. S. Co.	449.0	56.0	26.0	Everett, Wash.	Portsmouth, R. I	Lumber	7,053	8,342	6,198
Elisha Walker [1]	3	8.25	3	10.12	3	18.17	3	22.14	American	Huasteca Petroleum Co.	429.3	59.2	27.4	Los Angeles, Calif	Rio Janeiro, Brazil.	Fuel oil	19,699	7,978	5,809
Santa Cruz	3	8.00	3	11.36	3	18.42	4	22.20	American	Grace Line	354.0	50.2	29.10	Antofagasta, Chile.	New York, N. Y.	General	3,667	5,554	3,868
Erviken	2	22.30	3	13.26	3	21.10	3	21.10	Norwegian	Canadian Transp. Co.	420.0	54.0	27.0	Tacoma, Wash.	Montreal, Canada	Lumber	8,000	6,979	5,131
Orione	3	14.10	3	14.41	3	20.27	3	22.27	American	Oriental Navigation Co.	410.5	54.2	26.3	Gray's Har., Wash	Philadelphia, Pa.	Lumber	7,277	6,755	4,973
Witram	3	17.45	4	6.11	4	14.10	4	15.35	German	United American Line	449.1	58.2	25.6	Los Angeles, Calif	Hamburg, Germany	General	7,922	7,820	5,661
Cerro Ebano [1]	3	20.30	4	7.27	4	15.00	4	15.05	American	Huasteca Petroleum Co.	480.5	66.0	28.3	San Luis, Calif.	New York, N. Y.	Fuel oil	13,090	9,389	6,453
Superteo	3	23.45	4	8.25	4	16.00	4	16.00	American	Transmarine Lines	324.0	46.2	23.2	Everett, Wash.	Port Newark, N. J.	Lumber	4,229	3,984	2,612
Frost [11]	4	3.00	4	8.32	4	16.05	4	17.00	Swedish	Hans Ericsson	273.6	44.0	17.3	Gray's Har., Wash	Habana, Cuba.	Lumber, mach'y.	2,359	2,649	1,574
Teno	4	5.00	4	9.19	4	16.59	4	21.15	Chilean	Chilean Line	422.8	56.2	27.4	Valparaiso, Chile	New York, N. Y.	General	5,366	7,758	4,672
Atrato [11]	4	5.30	4	9.54	4	17.05	6	11.52	Colombian	Colombian Transp. Co.	94.0	24.0	7.0	Buenaventura, Col	Cristobal, C. Z.	Coffee, hides	112	169	92
Baychimo	4	19.30	5	6.20	5	14.05	5	16.30	British	The Hudson Bay Co.	229.0	36.0	15.0	Vancouver, B. C.	Liverpool, England	Lumber	764	1,362	883
Sesostris	4	21.00	5	7.20	5	15.40	6	12.50	German	Kosmos Line	365.0	59.0	21.6	Punta Arenas, Chile	Hamburg, Germany	General	4,900	4,904	3,395
Trimountain [1]	3	15.45	5	8.30	5	16.35	5	16.35	American	McAllister Brothers	416.9	56.2	20.0	Los Angeles, Calif	Curacao, D. W. I	Ballast		6,728	4,754
Pear Branch	5	4.00	5	9.23	5	17.20	5	17.20	British	F. & W. Ritson	398.6	53.9	23.6	Talcahuano, Chile	Liverpool, England	General	5,882	5,754	3,866
Toluma	5	7.00	5	10.08	5	19.05	5	20.25	Norwegian	Grace Line	417.0	54.0	28.11	Punta Arenas, Chile	New York, N. Y.	General	9,387	7,176	5,219
Point Reyes	5	21.00	6	6.04	6	14.30	6	17.30	American	Swayne & Hoyt, Inc.	324.0	46.2	21.10	Portland, Oreg	New Orleans, La.	Lumber, general	3,389	3,984	2,617
Agnes [14] [15]	6	2.50	6	6.14	6	16.50	7	6.00	Panaman	Pacific Fruit Co.	57.8	19.7	7.9	Panama Bay, R. P.	Gatun, C. Z.	Bananas	10	57	29
Baron Androssan	5	21.20	6	7.17	6	16.10	6	17.15	British	Hogarth & Sons	380.0	49.5	23.6	Portland, Oreg	Norfolk, Va. [16]	Wheat	6,300	4,834	3,540

[1] Tanker. [11] Motor ship. [12] Tug. [13] U. S. Army transport. [14] Motor schooner [15] Commercial launch. [16] For orders.

Buenos Aires [11]	6	4.20	6	8.52	6	17.40	7	9.00	Swedish	Johnson Line	425.0	56.0	26.0	Vancouver, B. C.	Stockholm, Sweden.	General	8,367	7,591	5,661
Pacific Shipper [14]	6	3.00	6	9.07	6	17.35	6	17.35	British	Furness, Withy & Co.	420.0	58.0	28.0	Vancouver, B. C.	Glasgow, Scotland	General	7,849	7,892	5,858
Feltore	6	4.10	6	10.10	6	19.25	6	19.25	American	Ore S. S. Corp.	449.0	57.2	29.4	Cruz Grande, Chile	Baltimore, Md.	Iron ore	11,000	7,150	4,899
Minnesotan	6	2.20	6	11.13	6	18.45	6	18.45	American	Amer.-Hawaiian Line	407.0	53.7	26.9	Seattle, Wash.	Boston, Mass.	General	6,589	7,150	4,899
John [14]			6		6				American	L. B. Carr	9.6	4.0	1.7	Balboa, C. Z.	Gatun Lake, C. Z.			1	1
Sea Dog [14]			6		7				Panaman	M. Arosemena	25.6	7.6	3.4	Balboa, C. Z.	Cristobal, C. Z.			5	

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
October 31	Levisa	United Fruit Co.	Cartagena, Colombia.	October 31	Levisa	United Fruit Co.	Cartagena, Colombia.
October 31	Cartago	United Fruit Co	New Orleans via Habana.	October 31	Ulua	United Fruit Co	New York via Habana.
October 31	Ulua	United Fruit Co	Port Limon, Costa Rica.	October 31	Cartago	United Fruit Co	Bocas del Toro, R. P.
October 31	Smith Thompson [17]	U. S. Navy	Bluefields, Nicaragua.	October 31	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
November 1	Toloa	United Fruit Co.	New York via Habana.	October 31	Esparta	United Fruit Co	New York via wayports.
November 2	Changuinola	Elders & Fyffes, Ltd	Bristol via Kingston.	October 31	Smith Thompson [17]	U. S. Navy	Guantanamo, Cuba.
November 2	Linda S. [18]	Surgeon Brothers	Colon, R. P.	November 2	Linda S. [18]	Surgeon Brothers	Bluefields, Nicaragua.
November 3	Cartago	United Fruit Co	Bocas del Toro, R. P.	November 3	Willinnis [19]	M. Cosaraquis	Colon, R. P.
November 3	Abangarez	United Fruit Co	New Orleans via Habana.	November 3	Terror [19]	A. Tagarapulos	Colon, R. P.
November 3	Santa Marta	United Fruit Co	New York via Kingston.	November 3	Changuinola	Elders & Fyffes, Ltd	Santa Marta, Colombia.
November 3	Willinnis [19]	M. Cosaraquis	Colon, R. P.	November 3	Cartago	United Fruit Co	New Orleans via Habana.
November 3	Terror [19]	A. Tagarapulos	Colon, R. P.	November 3	Toloa	United Fruit Co	Port Limon, Costa Rica.
November 4	Carrillo	United Fruit Co	Cartagena, Colombia.	November 4	Santa Marta	United Fruit Co	Colombian ports.
November 4	Favorita	Standard Fruit S. S. Co	New Orleans, La.	November 4	Carrillo	United Fruit Co	New York via Kingston.
November 5	Pellerin de LaTouche	French Line	Havre via wayports.	November 4	Abangarez	United Fruit Co	New Orleans and wayports
November 6	Favorita	Standard Fruit S. S. Co	San Blas, R. P.	November 5	Favorita	Standard Fruit S. S. Co	San Blas, R. P.
November 6	Eupatoria	Hamburg-American Line	Hamburg and wayports.	November 6	Favorita	Standard Fruit S. S. Co	New Orleans, La.
November 6	La Perla	United Fruit Co	Boston via Halifax.	November 6	La Perla	United Fruit Co	Boston, Mass.
November 6	Oriskany	United Fruit Co	Boston, Mass.	November 6	Pearl Marie [19]	Julian Gonzales	Bluefields, Nicaragua.
November 6	San Mateo	United Fruit Co.	Puerto Colombia, Col.				
November 6	Pearl Marie [19]	Julian Gonzales	Colon, R. P.				

[17] Destroyer. [18] Motor schooner. [19] Schooner.

PORT OF BALBOA.

October 31	U. S. S. Ramapo	U. S. Navy	Los Angeles, Calif.	October 31	Iocoma	International Petroleum Co.	Talara, Peru.
				November 2	U. S. S. Ramapo	U. S. Navy	Los Angeles, Calif.

* Other than ships passing through the Canal.

Tanker Traffic Through the Panama Canal in October, 1926.

(Continued from page 179.)

Of the total tanker traffic shown above, the following is a summary of the vessels giving Los Angeles as their port of origin or destination, together with the totals for the two preceding months:

	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
To Los Angeles:				
October, 1926	37	208,076	$150,106.41	.....
September, 1926	45	251,469	181,129.26	.....
August, 1926	52	311,840	224,682.42	.....
From Los Angeles:				
October, 1926	46	262,811	266,679.45	493,562
September, 1926	48	284,604	290,309.80	550,743
August, 1926	47	273,665	283,296.05	512,099

Commercial Traffic Through the Panama Canal in October, 1926, by Trade Routes.

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	73	298,912	375,935	474,813	296,337	$325,423.67	203,572
East coast of United States to west coast So. America:							
British	3	9,079	11,326	15,744	9,561	10,156.42	5,168
Chilean	2	6,991	9,377	14,620	7,952	8,738.75	5,955
Peruvian	2	4,785	4,962	6,451	4,315	5,906.55	6,832
Swedish	2	7,486	8,917	30,676	8,762	6,420.24	.....
United States	17	60,099	71,261	102,296	60,281	57,450.14	26,737
Totals	26	88,440	105,843	169,787	90,871	88,672.10	44,692
East coast of United States to Far East:							
British	5	18,370	27,864	29,956	18,526	22,962.50	33,886
Danish	1	2,981	4,607	4,714	2,999	3,726.25	7,427
Japanese	7	29,903	34,784	43,870	28,943	37,032.60	45,471
Norwegian	2	4,984	8,822	8,449	4,948	6,230.00	11,681
United States	5	21,105	29,017	32,371	20,154	26,381.25	40,417
Totals	20	77,343	105,094	119,360	75,570	96,332.60	138,882
Europe to west coast of United States:							
British	6	27,331	32,280	43,976	27,243	25,638.69	1,487
Danish	1	3,577	4,559	5,905	3,637	3,282.48	.....
Danzig	1	5,193	5,929	8,745	5,026	4,268.88	.....
French	2	8,274	9,499	13,269	7,810	6,839.28	.....
German	1	2,620	4,023	4,453	2,621	3,275.00	6,337
Greek	1	3,208	4,047	5,269	3,322	4,010.00	6,124
Norwegian	3	12,257	14,995	18,655	12,195	12,978.15	13,775
United States	2	8,681	10,726	13,791	8,540	7,722.72	.....
Totals	17	71,141	86,058	114,063	70,394	68,015.20	27,723
Europe to west coast of South America:							
British	3	12,649	15,286	20,616	12,732	15,811.25	9,887
Dutch	2	9,989	13,466	16,656	9,489	12,486.25	7,046
French	3	9,937	12,634	16,024	9,883	12,421.25	3,303
German	4	11,677	14,751	18,944	11,739	14,596.25	13,598
Italian	2	6,521	8,108	10,800	6,428	8,151.25	2,396
Norwegian	1	427	427	728	406	512.40	300
Spanish	1	2,459	2,827	4,349	2,565	3,073.75	268
Totals	16	53,659	67,499	88,117	53,242	67,052.40	36,798
Europe to west coast of Canada:							
British	7	33,031	43,203	53,518	33,367	38,956.71	14,888
Danish	2	9,445	11,004	13,563	9,465	11,806.25	11,915
Dutch	1	5,763	7,619	9,338	5,808	7,203.75	4,055
French	2	7,348	10,308	12,302	7,379	9,185.00	2,820
Italian	1	4,595	5,280	7,434	4,662	5,743.75	1,871
United States	1	3,115	4,417	4,999	3,115	3,893.75	3,001
Totals	14	63,297	81,831	101,154	63,796	76,789.21	38,550

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
East coast of United States to Australasia:							
British	8	32,527	43,136	51,999	32,825	$40,658.75	41,337
Norwegian	1	9,791	10,329	13,246	9,614	12,238.75	4,434
United States	2	4,383	4,369	5,777	4,319	5,221.20	2,526
Totals	11	46,701	57,834	71,022	46,758	58,118.70	48,297
Cristobal, C. Z., to west coast of South America:							
Colombian	1	81	92	153	68	101.25	136
German	1	689	909	1,314	681	861.25	1,782
Norwegian	2	1,084	1,291	1,852	1,069	1,355.00	2,889
Panaman	1	113	124	207	109	141.25	321
Totals	5	1,967	2,416	3,526	1,927	2,458.75	5,128
Cristobal, C. Z., to west coast of United States:							
Panaman	1	1,384	2,606	3,644	2,594	1,730.00	3,463
United States	4	15,916	19,442	25,898	16,035	14,341.71	2,153
Totals	5	17,300	22,048	29,542	18,629	16,071.71	5,616
Europe to Australasia:							
British	4	23,491	28,945	38,033	23,987	29,363.75	23,982
French	1	4,357	5,162	6,889	4,446	5,446.25	3,331
Totals	5	27,848	34,107	44,922	28,433	34,810.00	27,313
East coast of Canada to Australasia:							
British	5	12,779	15,694	20,810	12,380	15,973.75	17,725
Around the world:							
Argentine	[1] 1	.....	.....	.....	.....	1,200.00	..
British	1	10,155	16,701	20,277	12,088	12,693.75	..
United States	2	12,423	16,938	21,068	12,390	15,528.75	7,316
Totals	4	22,578	33,639	41,345	24,478	29,422.50	7,316
East coast of United States to Gatun Lake, C. Z.:							
Norwegian	4	3,583	3,672	5,998	3,647	4,406.40	.....
West Indies to Far East:							
British	2	7,928	11,000	12,767	7,871	9,910.00	15,200
Norwegian	1	2,962	3,879	4,854	2,950	3,702.50	6,800
Totals	3	10,890	14,879	17,621	10,821	13,612.50	22,000
East coast of United States to west coast of Canada:							
United States	2	7,681	10,188	12,438	7,686	9,601.25	15,013
Cristobal, C. Z., to west coast of Central America:							
British	2	1,286	1,441	2,298	1,304	1,607.50	2,440
Europe to west coast of Central America:							
German	1	2,542	3,533	4,201	2,554	3,177.50	3,919
Norwegian	1	7	57	221	83	8.75	2
Totals	2	2,549	3,590	4,422	2,637	3,186.25	3,921
East coast of United States to Philippine Islands:							
United States	2	9,269	11,657	13,404	9,241	11,586.25	15,602
West Indies to west coast of United States:							
United States	1	5,978	7,995	9,564	5,979	5,756.40	....
East coast of Canada to west coast of United States:							
British	1	6,598	7,658	11,309	6,845	5,513.76	.
East coast Canada to Far East:							
British	1	3,909	5,757	6,113	3,931	4,886.25	9,020
East coast of South America to west coast of Canada:							
United States	1	3,688	4,910	5,882	3,659	4,610.00	6,760
Foreign vessels in ballast—U. S. coastwise:							
British	1	5,276	5,941	8,621	5,208	4,277.52	.....

[1] Naval training ship of 2,400 tons displacement.

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
East coast of Canada to west coast of South America:							
British	1	5,004	5,879	8,461	5,960	$4,232.88	.....
Canadian intercoastal:							
British	1	3,306	4,068	5,492	3,380	4,132.50	4,250
West Indies to Australasia:							
British	1	2,733	3,402	4,453	2,697	3,416.25	6,220
East coast of United States to west coast of Central America:							
Norwegian	1	2,687	2,845	3,854	2,106	3,358.75	1,900
Europe to Hawaiian Islands:							
British	1	2,657	3,602	5,533	2,639	3,321.25	.....
East coast of South America to west coast of United States:							
Norwegian	1	2,342	4,092	3,870	2,327	2,927.50	6,340
East coast of Central America to west coast of Central America:							
Mexican	1	1,569	2,159	2,876	1,892	1,961.25	2,145
South American intercoastal:							
Colombian	1	1,283	1,506	2,055	1,251	1,603.75	1,400
Totals, October, 1926	229	864,253	1,093,239	1,412,725	866,025	973,138.80	698,623
Totals, October, 1925	223	851,245	1,081,459	1,391,686	857,579	960,383.56	642,803
Totals, October, 1924	198	767,604	977,729	1,231,893	766,168	856,489.35	598,405

PACIFIC TO ATLANTIC.

United States intercoastal:							
United States	84	340,970	440,980	548,361	340,792	$426,093.20	741,986
West coast of United States to Europe:							
British	15	58,303	71,422	94,034	58,639	72,878.75	125,839
French	1	4,356	5,050	7,011	3,989	5,445.00	9,294
Japanese	3	13,073	13,189	17,580	12,778	15,826.80	22,704
Norwegian	1	4,523	5,627	7,093	4,479	5,653.75	9,400
Swedish	3	9,515	14,052	16,088	12,073	11,893.75	20,770
United States	4	18,902	26,319	30,683	18,607	23,627.50	41,764
Totals	27	108,672	135,659	172,489	110,565	135,325.55	229,771
West coast of South America to east coast of United States:							
British	4	12,154	14,888	20,612	12,575	15,192.50	17,606
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	5,299
German	2	2,117	3,372	3,760	2,102	2,634.61	700
Norwegian	1	2,866	4,990	4,811	2,859	3,582.50	8,091
Peruvian	1	1,483	1,529	2,155	1,169	1,834.80	2,313
Swedish	2	7,486	8,917	30,676	8,762	9,357.50	41,400
United States	12	43,761	52,059	75,218	43,778	54,557.60	127,714
Totals	23	73,379	90,460	144,542	75,221	91,549.51	203,123
West coast of South America to Europe:							
British	5	24,525	28,599	41,576	24,706	30,656.25	33,613
Dutch	2	8,942	13,527	14,677	8,750	11,177.50	20,494
French	1	3,252	4,164	5,343	3,269	4,065.00	5,969
German	6	20,397	26,580	33,315	20,547	25,496.25	43,153
Italian	1	4,051	5,051	7,028	4,175	5,063.75	3,686
Spanish	1	2,960	3,729	5,087	3,000	3,700.00	3,102
Totals	16	64,127	81,650	107,026	64,447	80,158.75	110,017
West coast of Canada to Europe:							
British	7	32,333	41,020	52,705	32,890	40,416.25	57,161
Dutch	2	10,587	12,472	16,749	10,605	13,233.75	19,760
French	1	3,385	4,936	5,751	3,555	4,231.25	7,092
Italian	2	8,766	9,453	13,263	8,292	10,848.05	16,243
United States	2	7,294	10,625	11,538	7,181	9,117.50	1,445
Totals	14	62,365	78,506	100,006	62,523	77,846.80	115,801

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels	Tonnage. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
West coast of Canada to east coast of United States:							
British	3	10,427	12,756	16,786	10,475	$13,033.75	23,405
Norwegian	1	2,313	3,235	3,924	2,336	2,891.25	6,317
Swedish	1	1,307	1,513	1,600	1,054	1,633.75	2,567
United States	4	13,899	19,042	22,384	13,871	17,373.75	27,852
Totals	9	27,946	36,546	44,694	27,736	34,932.50	60,151
West coast of South America to Cristobal, C. Z.:							
British	1	614	622	1,138	602	753.60	798
Colombian	1	81	92	153	68	101.25	161
Norwegian	2	1,084	1,291	1,852	1,069	1,185.07	826
Panaman	2	226	248	414	225	282.50	443
Totals	6	2,005	2,253	3,557	1,964	2,322.42	2,228
Australasia to Europe:							
British	5	28,874	38,472	46,491	28,985	36,092.50	23,804
French	1	4,287	5,364	7,139	4,335	5,358.75	2,931
Totals	6	33,161	43,836	53,630	33,320	41,451.25	26,735
Far east to east coast of United States:							
Japanese	2	6,910	8,270	10,642	6,440	8,637.50	13,000
Norwegian	1	2,495	4,265	4,333	2,494	3,118.75	6,251
United States	1	4,938	6,226	7,615	4,838	6,172.50	684
Totals	4	14,343	18,761	22,590	13,772	17,928.75	19,935
West coast of United States to Cristobal, C. Z.:							
British	1	3,469	4,132	5,563	3,475	4,336.25	7,526
United States	2	7,058	9,237	11,459	7,060	8,822.50	11,789
Totals	3	10,527	13,369	17,022	10,535	13,158.75	19,315
West coast of Canada to east coast of Canada:							
British	3	9,690	12,251	16,283	10,056	12,112.50	20,011
West coast of South America to east coast of Canada:							
British	2	10,055	11,819	17,225	11,471	12,568.75	23,817
United States	1	4,424	6,406	7,035	4,390	5,530.00	10,600
Totals	3	14,479	18,225	24,260	15,861	18,098.75	34,417
West coast of United States to east coast of Canada:							
British	1	6,630	7,678	11,309	6,845	8,287.50	15,246
United States	1	5,901	7,710	9,485	5,899	7,376.25	15,800
Totals	2	12,531	15,388	20,794	12,744	15,663.75	31,046
West coast of United States to Africa:							
British	1	4,205	4,709	6,907	4,217	5,256.25	8,666
Japanese	1	4,357	4,388	5,860	4,259	5,265.60	7,656
Totals	2	8,562	9,097	12,767	8,476	10,521.85	16,322
Australasia to east coast of United States:							
British	1	3,231	4,058	5,408	3,321	4,038.75	1,800
French	1	2,861	3,291	4,785	2,899	3,576.25	5,058
Totals	2	6,092	7,349	10,193	6,220	7,615.00	6,858
West coast of Central America to Cristobal, C. Z.:							
British	2	1,286	1,441	2,298	1,304	1,607.50	803
Balboa, C. Z., to Cristobal, C. Z.:							
Panaman	2	40	58	92	40	50.00	23
West coast of United States to east coast of South America:							
United States	1	4,015	4,670	6,353	3,925	5,018.75	10,468

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
West coast of South America to West Indies:							
British [1]	1					$2,337 50	
West coast of South America to Egypt:							
German	1	3,600	5,234	5,821	3,554	4,500 00	8,577
Far East to Europe:							
British	1	4,119	6,260	6,726	4,346	5,148.75	9,057
Far East to West Indies:							
Japanese	1	4,364	4,409	5,860	4,260	5,290 80	7,120
Australasia to east coast Canada:							
British	1	3,334	4,143	5,455	3,361	4,167 50	885
West coast of Central America to east coast of United States:							
British	1	648	735	1,128	650	810 00	400
West coast of Central America to West Indies:							
British [2]	1					2,365 00	
Gatun Lake, C. Z., to east coast of United States:							
Norwegian	[3] 4	[3] 3,583	[3] 3,672	[3] 5,998	[3] 3,647	[3] 4,406 40	1,639
Totals, October, 1926	216	810,255	1,031,280	1,331,947	815,672	1,016,075.13	1,676,068
Totals, October, 1925	187	692,905	874,026	1,126,704	699,849	865,931 08	1,366,368
Totals, October, 1924	195	756,200	946,221	1,216,199	760,468	939,766 42	1,419,575

[1] British cruiser of 4,675 tons displacement. [2] British cruiser of 4,730 tons displacement. [3] These 4 vessels entered the Canal and proceeded as far as Gatun Lake where, after taking on cargoes of bananas, they returned to the Atlantic entrance of the Canal. As vessels transiting the Canal as far as Gatun Lake only, are entitled to return to Canal port of entry without payment of tolls for return voyage the only items taken up in connection with these transits in the Pacific-to-Atlantic traffic statistics is the amount of cargo tonnage.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending November 6, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Laded
				Tons.	*Tons.*
Cristobal	Panama Railroad S. S. Line		October 30		1,002
Esparta	United Fruit Co	October 30	October 31	3	507
Emden	Hamburg-American Line	October 30	October 31	101	[1]
Levisa	United Fruit Co	October 31	October 31	[1]	332
Cartago	United Fruit Co	October 31	October 31	297	80
Lochkatrine	Pacific Steam Navigation Co	October 31	November 1	216	759
Ulua	United Fruit Co	October 31	October 31	69	3
Salvador	Pacific Steam Navigation Co	October 31		353	
Chiman	National Navigation Co		November 1		72
Magician	Leyland Line	October 31	November 2	460	[1]
Linda S	R. Feuillebois	November 1	November 2	[1]	30
Alvarado	Pacific Steam Navigation Co	November 1	November 2	116	39
Tolua	United Fruit Co	November 1	November 3	537	42
St. Joseph	French Line	November 2	November 3	94	350
Taketoyo Maru	Nippon Yusen Kaisha	November 3	November 3	94	
Santa Marta	United Fruit Co	November 3	November 4	279	594
Abangarez	United Fruit Co	November 3	November 4	1,036	104
Cartago	United Fruit Co	November 3	November 3	[1]	4
Santa Cruz	Grace Line	November 3	November 3	500	
Carrillo	United Fruit Co	November 4	November 4	4	24
Favorita	Standard Fruit S. S. Co	November 4	November 4	227	[1]
Jamaica	Pacific Steam Navigation Co		November 5		832
Teno	Chilean Line	November 4	November 4	3	4
Atrato	Colombian Transport Co	November 4		113	
Axel Johnson	Johnson Line	November 5	November 6	169	57
Sestris	Kosmos Line	November 5	November 6	100	27
P. de La Touche	French Line	November 5	November 6	225	735
La Perla	United Fruit Co	November 6	November 6	201	24
Pearl Marie	R. Feuillebois	November 6	November 6	[1]	12
Eupatoria	Hamburg-American Line	November 6	November 6	467	[1]
Favorita	Standard Fruit S. S. Co	November 6	November 6	4	388
Oriskany	United Fruit Co	November 6	November 6	[1]	521
San Mateo	United Fruit Co	November 6		41	

[1] No cargo laded. [1] No cargo discharged.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Price of Coal at the Canal.

BALBOA HEIGHTS, C. Z., October 30, 1926.

TO ALL STEAMSHIP AGENTS:

1. Effective November 1, 1926 the prices of coal as published in The Panama Canal Tariff, Item 21, are increased $3.50 per ton and deliveries will be limited to quantities sufficient to take steamers to the next coaling port. This action is necessary because of increased costs and existing scarcity of coal in the United States.

2. The following paragraphs of Item 21 of Tariff No. 8, as modified, are quoted to show the prices that will obtain until further notice:

	Cristobal-Colon.	Balboa.
4. For steamships, including warships of all nations, delivered from coaling plants, per ton of 2,240 pounds, except as provided in paragraph 5	$12.00	$15.00
5. For vessels transiting the Canal that are directed by The Panama Canal to take coal at Balboa on account of the condition of the plants the quantity available, or for the purpose of expediting traffic	..	12.00
6. For steamships, including warships of all nations, when delivered from lighters in quantities of 50 tons or more, per ton of 2,240 pounds	13.00	16.00
7. For steamships, including warships of all nations, when delivered from lighters in quantities of less than 50 tons, with minimum charge for 20 tons and with maximum charge not to exceed that for 50 tons at prices specified in paragraph 6, per ton of 2,240 pounds	15.00	18.00

M. L. WALKER,
Governor, The Panama Canal.
President, Panama Railroad Company.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending November 6, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded
				Tons	*Tons.*
Cambrai	U. S. Army	November 1	November 2	288	167
Chiman	Isthmian Land & Fruit Co	November 1	November 2		30
Taketoyo Maru	Nippon Yusen Kaisha	November 2	November 3	211	
Trimountain	B. L. Shipping Co	November 3	November 5	8,339	
Jamaica	Pacific Steam Navigation Co.	November 5	November 5	...	[illegible]

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.60 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.05 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $12.00 per ton of 2,240 pounds at Cristobal, and $15.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $12.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $13.00 per ton at Cristobal, $16.60 at Balboa. If less than 50 tons is taken from lighters, prices are $15.00 per ton at Cristobal and $18.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $13.00 Cristobal and $16.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1 20
5. Tolls may not exceed the equivalent of $1 25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage in such cases, as provided in Paragraph 4, Item 3, of the tariff, and for handling lines in accordance with Item 4, of the tariff

Binders for The Panama Canal Record.

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD, are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

THE PANAMA CANAL RECORD

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., November 17, 1926. No. 15.

Canal Traffic During the First Fifteen Days of November.

During the first 15 days of November, 222 commercial vessels and 11 small nonseagoing launches transited the Canal. Tolls on the commercial vessels aggregated $975,951.96, and on the launches $38.43, or a total tolls collection of $975,990.39.

The daily average number of transits of commercial vessels was 14.8, and the daily average tolls collections $65,063.46. The average amount of tolls paid by each of the commercial transits was $4,396.18, as compared with $4,502.98, for the first 15 days of October.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 10½ months of the present calendar year, together with the daily averages of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
January	479	$2,103,368.29	15.45	$67,850.59
February	424	1,835,226.47	15.14	65,543.80
March	506	2,206,212.20	16.32	71,168.13
April	425	1,917,457.11	14.16	63,911.90
May	470	2,056,965.55	15.16	66,353.72
June	419	1,852,670.66	13.96	61,755.68
July	456	1,980,719.67	14.71	63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November (first 15 days)	222	975,951.96	14.80	65,063.46
Totals, 10½ months, 1926	4,756	20,992,454.17	14.90	65,810.20
Totals, 10½ months, 1925	4,091	18,281,539.21	12.82	57,307.90
Totals, 10½ months, 1924	4,301	20,100,292.20	13.44	62,813.41

Garland Line Withdraws from Intercoastal Trade.

Shipping journals recently received on the Isthmus announce that the Garland Steamship Corporation will retire its vessels from the United States intercoastal trade. It is stated that a portion of the fleet will be used in the United Kingdom and Continent trade, although definite plans for future operations have not been announced.

The vessels of the Garland Line that have been operating through the Panama Canal are the steamers *Albert Jeffress*, *Carolina*, *Edgar Bowling*, *George Allen*, *James B. Duke*, *Norlina*, and the *William Perkins*.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, November 13, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Mahout	6	15.10	7	6.15	7	13.09	7	14.15	British	T. & J. Brocklebank	470.0	62.0	24.3	New York, N. Y.	Sydney, Australia	General	5,032	8,832	5,968
Elkton	6	18.50	7	6.25	7	14.12	7	15.20	American	American-Pioneer Line	402.6	54.8	23.2	New York, N. Y.	Fusan, China	Refined oil, gen.	5,002	6,929	5,216
Agnes E. [2]	6	15.50	7	6.00	7	15.15	8	11.50	Panaman	Pacific Fruit Co	58.0	19.0	6.8	Cristobal, C. Z.	Balboa C. Z.	Ballast		57	29
Robert E. Hopkins [1]	6	19.00	7	7.20	7	14.35	7	15.45	American	Tidewater Oil Co.	424.4	58.2	20.0	New York, N. Y.	San Francisco, Cal.	Ballast		7,333	5,182
Henry S. Grove	6	22.18	7	7.15	7	15.15	7	16.15	American	Argonaut S. S. Co.	404.6	53.0	27.2	Baltimore, Md.	Seattle, Wash.	Steel, general	7,505	6,755	4,688
City of Delhi	7	6.05	7	8.40	7	15.54	8	3.50	British	Ellerman Lines, Ltd.	450.5	58.6	25.0	New York, N. Y.	Bunbury, Australia	General	7,800	9,478	7,073
Quail [3]			7	8.55	7	15.10			American	U. S. Navy	180.0	35.6		Cristobal, C. Z.	Balboa, C. Z.	Ballast			
Marore	7	10.05	7	10.15	7	17.02	8	1.30	American	Ore S. S. Corp.	550.3	72.2	25.0	Baltimore, Md.	Cruz Grande, Chile	Ballast		15,551	4,297
Fairfield City	7	11.30	7	11.35	7	17.47	8	1.00	American	Isthmian S. S. Lines	424.2	56.2	26.0	New York, N. Y.	Singapore, M. P.	Sulphate ammonia, general	8,300	7,611	5,450
Tongariro	8	1.45	8	6.30	8	13.54	8	18.25	British	N. Z. Shipping Co.	478.0	62.7	27.0	London, England	Auckland, N. Z.	General	9,426	10,817	7,585
Mahana	7	21.45	8	7.30	8	18.49	8	19.54	British	Shaw, Savill & Albion	500.9	63.3	27.6	London, England	Auckland, N. Z.	General	8,735	12,151	8,727
Melville Dollar	8	4.25	8	8.15	8	16.11	8	17.15	American	Dollar Line	429.0	55.2	21.2	Newport News, Va.	Los Angeles, Calif.	Steel, general	4,791	7,581	5,519
Hanley	8	9.33	8	9.50	8	17.35	8	22.49	American	Norton, Lilly & Co.	440.0	56.0	27.0	Baltimore, Md.	Seattle, Wash.	General	9,249	8,301	5,995
Canadian Cruiser	8	10.43	8	11.00	8	17.41	9	1.50	British	Can. Gov. Mer. Marine	430.0	56.0	17.0	Montreal, Canada	Brisbane, Australia	General	3,338	7,680	5,404
Columbian	8	21.15	9	6.10	9	13.38	9	14.45	American	Amer.-Hawaiian Line	404.6	53.0	23.0	New York, N. Y.	Los Angeles, Calif.	General	4,610	6,760	4,450
Olean [1]	9	1.25	9	7.25	9	15.25	9	19.20	American	Vacuum Oil Co.	430.0	58.2	22.0	New York, N. Y.	San Francisco, Cal.	Ballast		7,373	5,486
Hadnot [1]	9	6.00	9	8.25	9	15.45	10	8.54	American	Cities Service Corp.	416.9	56.2	20.0	Boston, Mass.	Los Angeles, Calif.	Ballast		6,706	4,639
Eleanor Christensen	9	9.57	9	10.25	9	16.44	9	17.55	American	Sudden & Christensen	410.5	54.3	21.0	Baltimore, Md.	Seattle, Wash.	General	5,921	6,572	4,788
Motor Sailor			9		9				American	U. S. Navy				Cristobal, C. Z.	Gatun, C. Z.	Ballast			
Quipo [1]			9		9				American	San Blas Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		2	2
Foreric	9	16.50	10	6.20	10	14.30	10	15.55	British	Andrew Weir & Co.	400.4	52.0	25.7	Fernandina, Fla.	Auckland, N. Z.	Phosphate rock	6,600	5,819	4,037
Suiserseyco	9	17.15	10	7.20	10	14.35	10	15.45	American	Transmarine Lines	324.0	46.0	17.6	New Orleans, La.	San Francisco, Cal.	General	976	3,984	2,628
Tekoa	9	18.10	10	8.25	10	15.50	10	17.35	British	N. Z. Shipping Co.	469.6	62.8	27.6	Liverpool, England	Auckland, N. Z.	General	9,870	10,570	7,521
Sylvafield [3] [1]	10	7.15	10	9.50	10	16.38	10	23.55	British	Hunting & Son	394.4	52.5	20.0	Rouen, France	San Francisco, Cal.	Ballast		5,900	3,995
British Beacon [1]	10	6.48	10	11.00	10	17.39	10	18.34	British	British Tankers, Ltd.	430.1	57.6	20.0	Swansea, England	Los Angeles, Calif.	Ballast		7,202	4,932
Lillian Luckenbach	10	8.50	10	12.07	10	18.59	10	19.52	American	Luckenbach Line	446.0	60.0	27.6	Boston, Mass.	Seattle, Wash.	General	8,000	9,294	6,865
Cali	8	17.30	11	6.04	11	16.31	11	17.49	German	Roland Line	216.6	32.9	12.6	Cristobal C. Z.	Buenaventura, Col	General	901	1,105	698
Zenon	10	11.15	11	6.05	11	13.39	11	14.50	French	French Line	425.0	55.0	17.7	Havre, France	Vancouver, B. C.	General	620	6,982	4,834
Harold Walker [1]	9	15.50	11	6.55	11	14.25	11	15.26	American	Pan-Amer.Pet.&Tr.Co.	430.0	58.2	20.0	Cristobal, C. Z.	Los Angeles, Calif.	Ballast		6,973	4,523
Sheafmead	10	17.20	11	7.35	11	17.01	11	18.00	British	So. Alberta Lumber Co.	380.0	53.6	2..0	Tampa, Fla.	Kobe, Japan	Phosphate, cotton	6,700	5,326	4,008
Finland	11	7.25	11	8.15	11	15.20	11	23.10	American	Panama-Pacific Line	560.0	60.0	24.0	New York, N. Y.	San Francisco, Cal.	General	2,397	13,559	9,016
R. W. Stewart [1]	11	00.07	11	8.40	11	17.20	11	18.15	American	Pan-Amer.Pet.&Tr.Co.	467.6	62.7	19.0	Providence, R. I.	Pt. San Luis, Calif.	Ballast		9,363	6,874
Canadian Freighter	11	1.55	11	9.55	11	17.57	11	23.00	British	Can. Gov. Mer. Marine	400.0	52.0	16.3	Glasgow, England	Vancouver, B. C.	General	1,300	6,224	4,487

[2] Tanker. [3] Motor schooner. [3] Mine sweeper. [4] Launch. [5] Motor ship.

F. H. Hillman [1]	11	5.30	11	10.05	11	18 50	11	24.00	American...	Standard Oil Co.....	500.0	68.2	19.0	London, England..	San Francisco, Cal.	Ballast.....	.....	11,225	7,913
Ruysdael.....	11	6.15	11	11.05	11	19.45	11	21.25	British.....	Bolton S. S. Co.....	401.0	50.0	23.10	Norfolk, Va.....	Rockampton, Aus.	Gen., case oil....	5,326	5,197	3,734
Brielle.....	10	8.10	11	13.40	11	20.39	12	2.1o	Dutch.....	Royal Neth. W. I. Mai	402.6	58.0	26.8	Hamburg,Germany	Corral, Chile.....	Cement, iron....	6,688	7,322	4,798
Eno [4].....	.....	.....	11	.....	11	12 16	.....	.....	American...	United Fruit Co.....	.....	.....	.....	Cristobal, C. Z ...	Gatun, C. Z.	(7)	.....	6	6
A. T. No. 1 [6].	.....	.....	11	.....	11	12.16	.....	.....	Panaman	Antonio Tagaropulos...	.....	.....	.....	Cristobal, C. Z....	Gatun, C. Z.....	Ballast.....	.....	11	11
Sunbeam [4].....	.....	.....	11	.....	11	13.10	.....	.....	American...	American Banana Corp.	.....	.....	.....	Cristobal, C. Z....	Gatun, C. Z.....	Towing barge.....	.....	1	1
No. 3 [13] [6]	.....	.....	11	.....	11	13.10	.....	.....	American...	American Banana Corp.	.....	.....	.....	Cristobal, C. Z....	Gatun, C. Z.....	Ballast.....	.....	14	14
No. 2968 [6].....	.....	.....	11	.....	11	8.25	.....	.....	Panaman...	Eustace Lee.....	.....	.....	.....	Cristobal, C. Z....	Gatun, C. Z.....	Ballast.....	.....	13	13
Essequibo.....	11	16.08	12	6.07	12	13.23	12	14.30	British.....	Pacific Steam Nav. Co.	450.0	57.8	25.10	New York, N. Y..	Talcahuano, Chile.	General.....	4,114	9,158	6,176
Cauca [2].....	8–27	15.25	12	6.12	12	14.05	13	00 05	Colombian..	National Navigation Co.	107.0	22.0	9.3	Cristobal, C. Z ...	Buenaventura, Col.	General.....	314	238	163
Amerikaland [5]..	11	18.25	12	7.00	12	14.59	12	21.39	Swedish....	Ore S. S. Corp.....	561.0	72.0	21.0	New York, N. Y...	Cruz Grande, Chile	Ballast.....	.....	15,560	4,496
Devon.....	11	22.10	12	8.40	12	16.27	13	1.37	British.....	Federal Steam Nav. Co.	473.3	60.0	27.0	New York, N. Y...	Brisbane, Australia	General.....	7 639	9,951	6,801
Hagood [1].....	12	10.20	12	10.30	12	17.17	12	20.30	American...	Cities Service Corp....	435.6	56.2	22.0	New York, N. Y...	Los Angeles, Calif.	Ballast.....	.....	7,426	5,094
Ansgir.....	11	21.30	12	11.45	12	18.52	13	00.05	German....	Roland Line.....	393.0	54.0	24.6	Antwerp, Belgium.	Talcahuano, Chile.	General.....	6,211	6,542	4,532
Oroya.....	12	7.58	12	13.50	12	20.52	12	22.10	British.....	Pacific Steam Nav. Co.	525.0	62.0	23.10	Liverpool, England	Coronel, Chile.....	General, etc....	4,972	13,133	9,064
Pulpit Point [1]..	12	23.35	13	6.20	13	15.17	13	16.35	British.....	Vacuum Oil Co.....	460.0	62.8	21.0	Philadelphia, Pa...	Auckland, N. Z....	Ballast.....	.....	9,167	5,941
A. C. Bedford [1]	11	18.30	13	7.05	13	15.20	13	16.35	American...	Standard Oil Co.....	500.0	68.0	17.6	Cristobal, C. Z....	Los Angeles, Calif.	Ballast.....	.....	10,896	7,688
Jadden.....	13	7.23	13	8.15	13	16.20	13	19.13	American...	Tampa Interocean Co..	410.5	54.2	22.3	New York, N. Y..	Shanghai, China...	Cotton, rails....	5,445	7,496	5,686
Sun [1].....	12	22.55	13	9.50	13	16.58	13	18.00	American...	Sun Oil Co.....	382.0	49.9	19.6	Brunswick, Ga.....	Los Angeles, Calif.	Ballast.....	.....	5,020	3,324
Buenos Aires...	12	12.15	13	12.45	13	19.16	13	20.15	Spanish....	Spanish Line.....	410.0	48.2	21.7	Barcelona, Spain..	Valparaiso, Chile..	General.....	228	5,624	3,844
Mernoo.....	13	11.05	13	13.45	13	20.35	13	23.55	British.....	N. Z. Shipping Co.....	285.3	42.7	20.6	Charleston, S. C...	Auckland, N. Z....	General.....	3,924	2,836	1,860

[1] Tanker. [6] Barge. [7] Towing barge *A. T. No. 1.*

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Swiftscout [1]....	6	18.35	7	6.42	7	14.35	7	14.35	American...	C. D. Mallory & Co....	464.6	60.2	27.0	Los Angeles, Calif	Fall River, Mass..	Crude oil.....	10,677	8,473	6,104
Canadolite [5] [1]..	7	00.30	7	7.13	7	15.40	8	00.40	British.....	Imperial Oil, Ltd.....	510.9	68.35	30.00	Los Angeles, Calif	Montreal, Canada.	Crude oil.....	14,463	11,556	7,658
Sithonia.....	7	7.00	7	7.58	7	16.05	7	16.05	British.....	H. M, Thomson.....	420.3	56.1	25.0	Vancouver, B. C...	Hampton Roads [8].	Wheat.....	7,600	6,753	4,823
Cubore [5].....	7	7.30	7	9.01	7	17.08	7	22.10	American...	Ore S. S. Corp.....	450.6	57.2	30.0	Cruz Grande, Chile	Baltimore, Md....	Iron ore.....	11,000	7,956	4,866
City of Panama [5].....	7	8.30	7	14.35	7	20.50	14	13.19	Panaman...	Panama Mail S. S. Co..	296.09	45.93	16.06	San Francisco, Cal.	Cristobal, C. Z....	Coffee, general..	388	3,848	2,606
Georgie.....	7	14.00	7	14.52	7	23.59	8	14.35	French.....	French Line.....	410.0	52.5	27.0	Valparaiso, Chile.	LeHavre, France.	(9)	8,083	6,830	4,932
Eileen [4].....	.....	.....	7	.....	7	.....	.....	.....	American...	C. A. Blair.....	.....	.....	.....	Balboa, C. Z.....	Cristobal, C. Z.	.....	.....	.....	.....
Ida [4].....	.....	.....	7	.....	7	.....	.....	.....	American...	C. A. Blair.....	.....	.....	.....	Balboa, C. Z.....	Cristobal, C. Z.	.....	.....	.....	.....
Japan Arrow [2]..	8	4.40	8	6.10	8	13.55	8	16.35	American...	Standard Transp. Co...	468.3	62.7	27.6	Los Angeles, Calif.	New York, N. Y...	Gasoline.....	11,502	10,084	7,426
Benvrackie.....	7	18.40	8	7.15	8	14.30	8	14.30	British.....	W. Thomson & Co....	400.5	52.0	29.0	Portland, Oreg....	Leith, Scotland....	General.....	7,574	6,617	4,792
Santa Ana.....	8	4.33	8	8.21	8	15.15	8	18.10	American...	Grace Line.....	360.2	51.6	25.7	Talcahuano, Chile.	New York, N. Y...	General.....	4,095	5,776	4,081
Orinoco.....	7	19.00	8	9.24	8	17.00	8	17.00	American...	Oriental Nav. Co.....	336.4	52.3	23.9	Gray's Har., Wash	Philadelphia, Pa...	Lumber.....	5,850	5,455	3,902
Cali.....	8	2.30	8	9.31	8	17.30	11	6.04	German....	Roland Line.....	216.6	32.9	11.6	Buenaventura, Col.	Cristobal, C. Z....	Coffee, hides....	225	1,105	698
Manukai.....	8	5.04	8	10.16	8	18.40	8	18.40	American...	Amer.-Hawaiian Line...	480.6	62.2	31.0	San Francisco, Cal.	New York, N. Y...	General.....	10,590	10,316	7,651
Sucrosa [2].....	8	8.45	8	11.13	8	19.35	8	19.35	American...	Crew, Levick & Co....	389.0	54.7	25.6	Los Angeles, Calif.	Philadelphia, Pa...	Crude oil.....	7,046	6,190	4,387
Trojanstar.....	8	5.45	8	11.44	8	18.15	8	18.15	British.....	Blue Star Line.....	473.8	60.0	28.0	Vancouver, B. C...	Glasgow, Scotland.	Fruit, general...	7,560	10,405	7,401
Lieut. W. B. Gaither [4].....	.....	.....	8	.....	8	.....	.....	.....	American...	U. S. Army.....	.....	.....	.....	Balboa, C. Z.....	Pedro Miguel, C. Z.	.....	.....	.....	.....
U. S. S. Salinas [1]	7	6.30	9	6.29	9	13.55	9	22.25	American...	U. S. Navy.....	463.3	60.0	28.0	Los Angeles, Calif.	Hampton R'ds, Va.	Fuel oil.....	9,860	.....	.....
Agwistone [1]....	8	15.20	9	7.10	9	15.10	9	15.10	American...	Inter. Shipping Corp...	500.0	68.0	28.10	Los Angeles, Calif.	New York, N. Y...	Crude oil.....	15,000	10,853	7,804
Harold Walker [1]	8	15.50	9	8.07	9	16.15	11	6.45	American...	Pan-Amer. Pet.&Tr. Co.	430.0	58.0	28.0	Los Angeles, Calif.	Cristobal, C. Z....	Fuel oil.....	10,553	6,973	4,523
Montana.....	8	19.15	9	9.14	9	17.09	9	17.05	American...	Dollar Line.....	419.5	56.5	29.2	Seattle, Wash.....	New York, N. Y...	General.....	10,293	8,696	6,315
Abron.....	8	23.55	9	10.03	9	17.40	9	17.40	American...	Munson, McCor'k Line.	386.8	52.2	23.6	Bellingham, Wash.	New York, N. Y...	Lumber.....	6,000	5,732	4,131

[1] Tanker. [8] For orders. [9] Sugar, cotton, and general.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Genevieve Lykes	9	5 45	9	10 49	9	18.35	9	22.55	American	Lykes Bros	253.4	43.8	25.6	Callao, Peru	New Orleans, La.	Nitrate	3,650		
Amazonas	9	9 45	9	11 33	9	19 30	10	11.45	Peruvian	Peruvian Line	350.1	42 5	23 0	Callao, Peru	New York, N. Y.	(13)	3,395	3,744	2,621
Albert Jeffress	9	11 00	9	12 11	9	19 30	9	19 30	American	Garland S. S. Corp	384.6	51.2	23.6	Aberdeen, Wash	New York, N. Y.	Lumber	4,677	6,347	4,453
Narenta	9	13 00	9	14 11	9	22 20	10	3.55	British	Royal Mail S. P. Co	449.3	58.38	26 0	Vancouver, B. C	United Kingdom	General	5,579	8,856	6,559
D. G. Scofield [1]	9	20 30	10	6 36	10	14 25	12	5 15	American	Standard Oil Co. of Cal.	439 5	58.0	29.9	Los Angeles, Calif	Bayonne, N. J.	Fuel oil	11,551	8,698	5,935
Skramstad [11]	9	20 35	10	7 13	10	15 30	10	15 30	Norway	Fearnley & Eger	382.7	52.4	23.0	Manila, P. I.	New Orleans, La	Copra, hemp	5,833	6,082	4,236
Manchuria	9	20 00	10	8 15	10	16 35	10	16 55	American	Panama Pacific Line	600.0	65.3	31.6	San Francisco, Cal	New York, N. Y.	Canned goods	8,500	17,044	11,448
Katrina Luckenbach	10	1.00	10	9 00	10	17 00	10	17.00	American	Luckenbach Line	446.0	56.17	30.6	Seattle, Wash	Philadelphia, Pa	General	9,856	8,508	6,179
Benavon	10	6.26	10	9 57	10	17 40	10	19 30	British	Kerr, Gifford & Co	378.0	46.0	22.3	Portland, Oreg	St. Nazaire, France	Wheat	5,165	4,218	3,053
Pennsylvania	10	8 45	10	11 00	10	19 10	10	22 20	American	Amer.-Hawaiian Line	407.7	53.7	26.9	Portland, Oreg	Boston, Mass	General	7,566	7,107	4,989
W. M. Irish [1]	11	1 15	11	6.00	11	14 44	11	14.45	American	Atlantic Refining Co	435.0	56.0	27.9	Los Angeles, Calif	Philadelphia, Pa	Gasoline	11,414	7,387	5,443
Henderson [10]	8	12 50	11	7.20	11	14 00	11	14 00	American	U. S. Navy	483 0	61.0	20.4	San Diego, Calif	Hampton R'ds, Va.	Navy, gen., etc	529		
Venezuela	10	13 45	11	8 11	11	15 40	12	12.15	American	Panama Mail S. S. Co	380.0	48.5	23.0	San Francisco, Cal	New York, N. Y.	General	1,555	6,033	4,353
Breda	10	16 30	11	8 19	11	17 05	11	19 00	Dutch	Royal Neth. W. I. Mail	402.7	58.4	26.3	Callao, Peru	Antwerp, Belgium	(14)	8,566	7,384	4,769
A. C. Bedford	10	20.05	11	9.09	11	18 30	13	7.05	American	Standard Oil Co. of N.J.	500.0	68.0	29 9	Los Angeles, Calif	Cristobal, C. Z	Fuel oil	15,050	10,896	7,688
Denali	10	21 30	11	9 34	11	18.45	11	18 45	American	Alaska S. S. Co	300.75	46.0	21.11	Tacoma, Wash	New York, N. Y.	Lumber	4,679		
Ethan Allan	11	7 30	11	10.11	11	18.18	11	23 15	American	American-Pioneer Line	439 6	60 2	18 0	Manila, P. I.	Habana, Cuba	Rice, barley	4,303	8,978	6,525
Chickasaw City	11	8.00	11	10 36	11	19 20	11	19 20	American	Isthmian S. S. Lines	395 5	55.0		Vancouver, B. C.	Baltimore, Md	(15)	8,418	7,322	5,237
Padilla	11	8.50	11	11.05	11	20.06			Colombian	Colombian S. S. Co	272.2	43.5	8.6	Tumaco, Colombia	Cristobal, C. Z. [16]	General	132	2,206	1,506
Jane Christensen	10	23.50	11	12.01	11	20.30	11	20.30	American	Sudden & Christensen	409.5	54.2	24.0	Seattle, Wash	New York, N. Y.	General	7,499	6,615	4,966
City of Vancouver	11	11.50	11	13.25	11	21.55	11	21 55	British	Vancouver S. S., Ltd	411.5	54.1	25.6	Port Alberni, B. C.	New York, N. Y.	Lumber	7,600	6,614	4,995
Smaland [11]	11	3.15	11	14.06	11	23.10	14	6.19	Swedish	Rederiaktiebolaget-Smaland	184.0	30.8	13.5	Tumaco, Colombia	Corpus Christi, Tex.	(17)	865	854	483
R. J. Hanna [1]	11	16 30	12	6.01	12	13 45	12	13.45	American	Standard Oil Co. of Cal.	435.0	56.2	27.6	Los Angeles, Calif.	Baltimore, Md	Gasoline	9,069	7,637	5,206
Tiger [1]	11	17 15	12	7 14	12	14 55	12	14.55	American	Standard Transp. Co	410.0	56.2	27.6	Seattle, Wash	Philadelphia, Pa	Lumber, general	7,700	8,243	6,312
Annie Johnson [11]	11	21 37	12	8 10	12	15 45	12	21.05	Swedish	Johnson Line	409.0	52.6	26 2	Vancouver, B. C.	Copenhagen, Den.	General	6,121	6,650	4,919
Pacific Pine	11	21 45	12	8 49	12	16 57	12	16 57	American	Ocean Transport Co	410 6	54.0	25.0	Seattle, Wash	Philadelphia, Pa	Lumber	7,275	6,583	4,929
Tirso	12	5 00	12	9 04	12	17 55	12	22 30	Italian	Baronti Cino	400.3	52.3	23.0	San Antonio, Chile	Genova, Italy	Copper, nitrate	7,093	5,870	4,188
Dio	12	5 30	12	9 53	12	18 10	12	18.10	American	Finkbine, Guild Tr. Co	386 8	52.2	22 6	Tacoma, Wash	Baltimore, Md	Lumber, general	5,630	5,708	4,131
Gargoyle [1]	12	9 35	12	10 24	12	18 46	12	18.46	American	Vacuum Oil Co	425.0	57.2	27.6	San Francisco, Cal.	Philadelphia, Pa	Lubricating oil	10,041	7,510	4,989
Charles Pratt [1]	12	10 48	12	12 13	12	21.45	13	00.45	American	Standard Oil Co. of N.J.	500 0	68.0	29.0	Talara, Peru	Montreal, Canada	Crude oil	15,345	10,313	7,492
Swiftsure [1]	12	14.06	12	14 44	12	23.00	12	23.00	American	C. D. Mallory & Co	465.65	60 2	27 0	Los Angeles, Calif	Fall River, Mass	Crude oil	10,925	8,473	6,017
Steelore	13	3 03	13	5 50	13	16 20	13	21 25	American	Ore S. S. Corp	550.3	72.2	33 6	Cruz Grande, Chile	Baltimore, Md	Iron ore	20,000	15,551	4,297
Atlantic Sun [1]	13	2 45	13	7.07	13	17 22	13	17 22	American	Sun Oil Co	429.3	59.2	25.6	Los Angeles, Calif	Philadelphia, Pa	Gasoline	9,292	7,568	5,283
Korean Prince	12	20 30	13	8 10	13	18.44	13	18 40	British	Prince Line, Ltd	499.6	52.4	18 0	Brisbane, Australia	Halifax, N. S.	Sugar, wool, gen.	2,223	5,588	3,737
Agnes [12]	13	00 10	13	8.20	13	17.17	14	6 05	Panaman	Pacific Fruit Co	57 8	19.7	7.0	Panama Bay, R. P	Gatun, C. Z.	Bananas	6	57	29

[1] Tanker. [10] Transport. [11] Motor ship. [12] Commercial launch. [13] Coffee, cotton, and hides. [14] Nitrate, barley, and general. [15] Lumber, fruit, and fish. [16] For orders. [17] Coffee, hats, and hides.

Acajutla	12	23.30	13	8.32	13	18.35			British	Pacific Steam Nav. Co.	215.7	33.5	14.3	Champerico, Guat.	Cristobal, C. Z.	General	254	1,273	706
Orita	13	3.30	13	9.33	13	17.10	13	21.25	British	Pacific Steam Nav. Co.	485.0	58.0	28.3	Coronel, Chile	Liverpool, England	General	6,580	9,936	6,561
Eemdijk	13	5.00	13	9.40	13	19.10	14	10.50	Dutch	N. Pacific Coast Serv.	469.7	58.2	22.3	Vancouver, B. C.	Rotterdam, Holland	General	7,299	8,514	6,066
San Fabian[1]	13	2.20	13	10.35	13	20.15	13	20.15	British	Anglo-Mexican Pet. Co.	530.0	69.4	31.0	Los Angeles, Calif.	London, England	Fuel oil	16,500	13,55[illegible]	9,614
Panaman	13	7.47	13	10.53	13	19.50	13	23.15	American	Amer.-Hawaiian Line	407.7	53.7	24.6	Los Angeles, Calif.	Boston, Mass.	General	5,473	7,098	5,029

[1] Tanker. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
November 7	Parismina	United Fruit Co.	New Orleans via Habana.	November 7	Perrin de La Touche	French Line	Havre via wayports.
November 7	Toloa	United Fruit Co.	Port Limon, Costa Rica	November 7	Oriskany	United Fruit Co.	Mobile, Ala.
November 8	Donau[18]	L. Smit	Middlesborough, England	November 7	San Mateo	United Fruit Co.	New York.
November 8	Calamares	United Fruit Co.	New York via Habana.	November 7	Parismina	United Fruit Co.	Port Limon, Costa Rica.
November 9	Galicia	Hamburg-American Line	Puerto Barrios & wayports	November 7	Eupatoria	Hamburg-American Line	Norfolk and wayports
November 10	Atenas	United Fruit Co.	New Orleans via Habana.	November 8	Toloa	United Fruit Co.	New York via Habana.
November 10	Parismina	United Fruit Co.	Port Limon, Costa Rica	November 10	Donau[20]	L. Smit	San Juan, P. R.
November 10	Meltonian	Leyland Steamship Line	Liverpool via wayports.	November 10	Parismina	United Fruit Co.	New Orleans via Habana.
November 10	Cavina	Elders & Fyffes Line	A onmouth via wayports.	November 10	Cavina	Elders & Fyffes Line	Port Limon, Costa Rica.
November 10	Tivives	United Fruit Co.	New York via Kingston.	November 10	Calamares	United Fruit Co.	Port Limon, Costa Rica.
November 10	Van Renselaer	Royal Netherlands W. I. Mail	Amsterdam via wayports.	November 10	Galicia	Hamburg-American Line	Hamburg via wayports.
November 10	Willinnis[19]	M. Cosaraquis	Colon, R. P.	November 10	Willinnis[19]	M. Cosaraquis	Colon, R. P.
November 10	Terror[19]	A. Tagaropulos	Colon, R. P.	November 10	Terror[19]	A. Tagaropulos	Colon, R. P.
November 10	M. F. Benefit[19]	D. S. Britton	Colon, R. P.	November 11	Tivives	United Fruit Co.	Colombian Ports.
November 11	Ancon	Panama Railroad S. S. Line	New York via Haiti.	November 11	Van Renselaer	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
November 11	Santa Marta	United Fruit Co.	Colombian Ports.	November 11	Meltonian	Leyland S. S. Line	New Orleans & Pt. Limon.
November 11	Virginia	Standard Fruit S. S. Co.	New Orleans, La.	November 11	Santa Marta	United Fruit Co.	New York via Kingston.
November 12	Newsome	United Fruit Co.	Halifax, N. S.	November 11	Atenas	United Fruit Co.	New Orleans & wayports.
November 13	Virginia	Standard Fruit S. S. Co.	San Blas, R. P.	November 12	M. F. Benefit[19]	D. S. Britton	Bluefields, Nicaragua.
November 13	San Benito	United Fruit Co.	Boston via wayports.	November 12	Virginia	Standard Fruit S. S. Co.	San Blas, R. P.
November 13	Cavina	Elders & Fyffes Line	Port Limon, Costa Rica	November 13	Cavina	Elders & Fyffes Line	Bristol via Kingston.
November 13	Van Renselaer	Royal Netherlands W. I. Mail	Port Limon, Costa Rica	November 13	Virginia	Standard Fruit S. S. Co.	New Orleans, La.
November 13	Convert[19]	Heurtado & Ferrari	Colon, R. P.	November 13	San Benito	United Fruit Co.	Boston via Kingston.
November 13	Victory[19]	Eisemann and Eleta	Colon, R. P.	November 13	Van Renselaer	Royal Netherlands W. I. Mail	Amsterdam and wayports
.....	.....	.....	.....	November 13	Convert[19]	Heurtado and Ferrari	Colon, R. P.
.....	.....	.....	.....	November 13	Victory[19]	Eisemann and Eleta	Colon, R. P.
.....	.....	.....	.....	November 13	Newsome	United Fruit Co.	Mobile, Ala.

[18] Tug and barges. [19] Schooner. [20] Tug.

PORT OF BALBOA.

.....	.....	.....	.....	November 8	Epoca[21]	Gorrissen & Co.	Talara, Peru.

[21] Motor schooner.

* Other than ships passing through the Canal.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Atlantic to the Pacific, October, 1926.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.						Asia.					Australasia.					
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America.	West coast of North America.[1]	Hawaii.	Total, North America.	Japan.	China.	Philippines.	Far East.[1]	Total, Asia.	Australia.	New Zealand.	Australasia.[1]	Total, Australasia.	Grand totals.	Per cent of total cargo.
North America:																							
United States																							
North Atlantic ports	18,566	370	2,648	9,825	9,495	40,904	174,813	1,206	2,874	3,962	194	183,043	29,403	14,670	10,689	17,798	72,560	27,780	13,680	.....	41,460	337,967	48.4
South Atlantic ports	.....	.....	.....	.....	.....	.....	1,748	.....	.....	.....	484	2,232	6,630	35	.....	7,459	14,124	.....	.....	.....	.....	16,356	2.3
Gulf ports	749	.....	.....	1,125	1,463	3,337	28,194	.....	.....	.....	1,897	30,091	37,039	20,737	2,318	15,397	75,491	6,988	.....	.....	6,988	115,907	16.6
Totals, United States	19,315	370	2,648	10,950	10,958	44,241	204,755	1,206	2,874	3,962	2,575	215,366	73,072	35,442	13,007	40,654	162,175	34,768	13,680	.....	48,448	470,230	67.3
Cristobal, C. Z.[2]	38	5,128	400	328	1,058	6,947	4,955	30	5,613	.....	.....	10,596	.....	.....	.....	.....	.....	.....	.....	.....	.....	17,543	2.5
East coast of Canada	.....	.....	.....	.....	.....	.....	.....	4,250	.....	.....	.....	4,250	.....	400	.....	.....	400	9,303	8,271	.....	17,574	22,224	3.2
West Indies	29	.....	.....	.....	.....	29	.....	.....	.....	.....	.....	.....	18,500	12,894	.....	.....	31,394	.....	6,220	.....	6,220	37,634	5.4
East coast Mexico & Cen. Am.	.....	.....	.....	.....	.....	.....	.....	.....	2,145	.....	.....	2,145	.....	.....	.....	3,000	3,000	.....	.....	.....	.....	5,145	0.7
Totals, North America	19,373	5,498	3,048	11,278	12,016	51,208	209,708	5,486	10,632	3,962	2,575	232,357	91,572	48,736	13,007	43,654	196,969	44,071	28,171	.....	72,242	552,776	79.1
Europe:																							
British Isles	979	28	.....	280	8,252	9,539	354	2,742	.....	2,297	.....	5,393	.....	.....	.....	.....	.....	.....	23,982	.....	23,982	38,914	5.6
Belgium	874	35	1,062	314	498	2,783	17,273	3,151	70	.....	.....	20,494	.....	.....	.....	.....	.....	.....	.....	.....	.....	23,277	3.4
Denmark	.....	.....	.....	.....	.....	.....	.....	252	.....	.....	.....	252	.....	.....	.....	.....	.....	.....	.....	.....	.....	252	.....
France	93	.....	.....	.....	30	123	165	770	60	690	.....	1,595	.....	.....	.....	.....	.....	.....	.....	3,331	3,331	5,049	0.7
Germany	.....	72	.....	1,070	1,000	2,142	14,689	45	610	.....	.....	15,344	.....	.....	.....	.....	.....	.....	.....	.....	.....	17,486	2.6
Holland	.....	.....	.....	.....	.....	.....	7,306	.....	.....	.....	.....	7,306	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,306	1.1
Italy	.....	.....	.....	.....	250	250	113	.....	.....	.....	.....	113	.....	.....	.....	.....	.....	.....	.....	.....	.....	363	.....
Norway and Sweden	.....	.....	300	.....	.....	300	693	.....	2	.....	.....	695	.....	.....	.....	.....	.....	.....	.....	.....	.....	995	.....
Spain and Portugal	.....	.....	.....	.....	265	265	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	265	.....
Europe[1]	.....	.....	.....	6	19,997	20,003	9,969	540	3,554	2,688	.....	16,751	.....	.....	.....	.....	.....	.....	.....	.....	.....	36,754	5.3
Totals, Europe	1,946	135	1,362	1,670	30,292	35,405	50,562	7,509	4,296	5,585	.....	67,943	.....	.....	.....	.....	.....	.....	23,982	3,331	27,313	130,661	18.7
East coast of South America	.....	1,400	.....	.....	.....	1,400	13,578	208	.....	.....	.....	13,786	.....	.....	.....	.....	.....	.....	.....	.....	.....	15,186	2.2
Grand totals	21,319	7,033	4,410	12,943	42,308	88,013	273,893	13,188	14,928	9,547	2,575	314,086	91,572	48,736	13,007	43,654	196,969	44,071	52,153	3,331	99,555	698,623	100.0
Per cent of total cargo:																							
October, 1926	3.0	1.0	0.6	1.8	6.2	12.6	39.3	1.9	2.2	1.2	0.4	44.9	13.1	6.9	1.9	6.3	28.2	6.3	7.5	0.5	14.3	100.0	.....
October, 1925	0.9	.....	0.1	0.8	14.2	16.0	34.3	2.4	2.8	2.2	0.4	42.1	9.5	1.4	1.0	6.0	17.9	6.3	12.8	4.9	24.0	100.0	.....
October, 1924	4.4	.....	.....	1.2	16.0	21.6	38.2	1.3	2.7	2.6	1.2	46.0	4.8	2.0	1.0	5.3	13.1	5.8	8.4	5.1	19.3	100.0	.....

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, October, 1926.

(Figures represent tons of 2,240 pounds.)

From—	North America. United States. North Atlantic ports.	South Atlantic ports.	Gulf ports.	Total, United States.	East coast of Canada.	West Indies.	East coast of Mexico.	Cristobal, C. Z.[2]	Total, North America.	Europe. British Isles.	Belgium.	France.	Germany.	Holland.	Italy.	Norway and Sweden.	Spain and Portugal.	Europe.[1]	Total, Europe.	East coast of South America.	Egypt.	Africa.	Grand totals.	Per cent of total cargo.
S. America:																								
Chile	157,262	13,484	4,200	174,946	.....	.....	....	.....	174,946	17,610	10,723	431	19,342	202	3,686	.....	2,782	17,402	72,178	.....	8,577	.....	255,701	15.2
Colombia	750	.....	.....	750	.....	.....	....	2,228	2,978	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,978	0.2
Ecuador	303	.....	.....	303	.....	.....	....	273	576	.....	42	.....	121	.....	.....	.....	320	84	567	.....	.....	.....	1,143	0.1
Peru	9,846	15,000	.....	24,846	34,417	.....	....	.....	59,263	8,813	2,271	.....	835	699	.....	8,527	.....	971	22,116	.....	.....	.....	81,379	4.8
W. coast S.A.[1]	1,390	.....	.....	1,390	.....	.....	....	1,515	2,905	1,910	1,300	.....	3,121	.....	.....	.....	.....	8,825	15,156	.....	.....	.....	18,061	1.1
Totals, S.A.	169,551	28,484	4,200	202,235	34,417	.....	....	4,016	240,668	28,333	14,336	431	23,419	901	3,686	8,527	3,102	27,282	110,017	.....	8,577	.....	359,262	21.4
No. America:																								
W. c'st Can'a.	41,174	.....	682	41,856	20,011	.....	....	.....	61,867	19,660	1,630	630	400	625	1,000	.....	.....	1,310	25,305	.....	.....	.....	87,172	5.2
W. c'st C. A.	621	.....	.....	621	.....	.....	....	1,481	2,102	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,102	0.2
W. coast U.S.	722,363	9,795	11,547	743,705	31,046	1,074	....	18,657	794,482	195,228	2,966	14,166	12,869	6,630	8,760	9,400	.....	59,861	309,880	10,468	.....	16,322	1,131,152	67.4
Hawaii	.....	.....	684	684	.....	.....	....	.....	684	.....	.....	.....	.....	.....	.....	.....	.....	1,376	1,376	.....	.....	.....	2,060	0.2
W. c'st N. A.[1]	14,543	.....	[3]2,080	16,623	.....	.....	....	23	16,646	8,814	.....	.....	.....	180	.....	.....	.....	1,789	10,783	.....	.....	.....	27,429	1.6
Totals, N. Am.	778,701	9,795	14,993	803,489	51,057	10,074	....	20,161	875,781	223,702	4,596	14,846	13,269	7,435	9,760	9,400	.....	64,336	347,344	10,468	.....	16,322	1,249,915	74.6
Asia:																								
China	1,520	.....	.....	1,520	.....	.....	....	159	1,679	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,679	0.1
Japan	685	.....	.....	685	.....	.....	....	.....	685	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	685	.....
Philippines	5,500	.....	3,240	8,740	.....	.....	....	.....	8,740	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,740	0.5
Far East[1]	4,136	.....	.....	4,136	.....	10,131	....	.....	14,267	7,062	.....	.....	.....	.....	.....	.....	.....	.....	7,062	.....	.....	.....	21,329	1.3
Totals, Asia.	11,841	.....	3,240	15,081	.....	10,131	....	159	25,371	7,062	.....	.....	.....	.....	.....	.....	.....	.....	7,062	.....	.....	.....	32,433	1.9
Australasia:																								
Australia	817	.....	.....	817	68	.....	....	.....	885	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	885	.....
New Zealand	1,800	.....	.....	1,800	.....	.....	....	.....	1,800	16,904	.....	.....	.....	.....	.....	.....	.....	.....	16,904	.....	.....	.....	18,704	1.2
Australasia[1]	5,058	.....	.....	5,058	.....	.....	....	.....	5,058	.....	.....	2,931	.....	.....	.....	6,900	.....	.....	9,831	.....	.....	.....	14,889	0.9
Totals, A'sia	7,676	.....	.....	7,675	68	.....	....	.....	7,743	16,904	.....	2,931	.....	.....	.....	6,900	.....	.....	26,735	.....	.....	.....	34,478	2.1
Grand totals	967,768	38,279	22,433	1,028,480	85,542	11,205	....	24,336	1,149,563	276,001	18,932	18,208	36,688	8,336	13,446	24,827	3,102	91,618	491,158	10,468	8,577	16,322	1,676,088	100.0
Per cent of total cargo:																								
October, 1926.	57.8	2.3	1.3	61.4	5.1	0.7	....	1.4	68.6	16.6	1.1	1.1	2.2	0.5	0.8	1.4	0.2	5.4	29.3	0.6	0.5	1.0	100.0	.....
October, 1925.	50.9	1.1	4.2	56.2	6.8	.....	....	1.4	64.4	19.5	0.7	1.5	2.8	0.5	0.1	0.8	0.6	8.1	34.6	1.0	.....	.....	100.0	.....
October, 1924.	56.0	2.0	4.0	62.0	4.7	0.1	1.2	0.6	69.5	14.4	0.9	0.2	0.9	0.1	....	0.4	0.1	12.6	29.6	0.3	0.6	.....	100.0	.....

[2] General cargo not routed so as to allow segregation between definite ports.

[1] Includes both local and transit cargo.

[3] Includes 1,039 bananas from Gatun Lake.

Stevedoring at Panama Canal Docks.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., *November 15, 1926.*

To all concerned.—The American Steamship Owners' Association of New York City having requested that consideration be given to report of a committee of that Association, and resulting action of that entire Association, on the question of the Panama Railroad doing all stevedoring in the Canal Zone, and it being apparent that this report and action can not be received and considered prior to December 1, 1926, the effective date of the above-mentioned action in re stevedoring is postponed until 1.00 a. m., January 1, 1927.

M. L. WALKER,
Governor.

Traffic by Nationality for October, 1926.

The following tabulations show the commercial traffic through the Canal during the month of October, 1926, classified according to nationality of vessels, by direction of transit, and the combined traffic in both directions, together with corresponding totals for October, 1925, and 1924:

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered. Gross.	Registered. Net.		
Argentinian	[1] 1	.....	.....	.....	.....	$1,200.00	.....
British	53	218,109	283,183	359,976	222,544	253,513.48	185,490
Chilean	2	6,991	9,377	14,620	7,952	8,738.75	5,955
Colombian	2	1,364	1,598	2,208	1,319	1,705.00	1,536
Danish	4	16,003	20,170	24,182	16,101	18,814.98	19,342
Danzig	1	5,193	5,929	8,745	5,026	4,258.88	.....
Dutch	3	15,752	21,085	25,994	15,297	19,690.00	11,101
French	8	29,916	37,603	48,484	29,518	33,891.78	9,454
German	7	17,528	23,216	28,612	17,595	21,910.00	25,636
Greek	1	3,208	4,047	5,269	3,322	4,010.00	6,124
Italian	3	11,116	13,388	18,234	11,090	13,895.00	4,267
Japanese	7	29,903	34,784	43,870	28,943	37,032.60	45,471
Mexican	1	1,569	2,159	2,876	1,892	1,961.25	2,145
Norwegian	17	40,124	50,409	61,727	39,345	47,718.20	48,121
Panaman	2	1,497	2,730	3,851	2,703	1,871.25	3,784
Peruvian	2	4,785	4,962	6,451	4,315	5,906.55	6,832
Spanish	1	2,459	2,827	4,349	2,565	3,073.75	268
Swedish		7,486	8,917	30,676	8,762	6,420.24	.....
United States	112	451,250	566,855	722,301	447,736	487,517.09	323,097
Totals, October, 1926	229	864,253	1,093,239	1,412,725	866,025	973,138.80	698,623
Totals, October, 1925	223	851,245	1,081,459	1,391,686	857,579	960,383.56	642,803
Totals, October, 1924	198	767,604	977,729	1,231,893	766,168	856,489.35	598,405

[1] Naval training ship of 2,400 tons displacement.

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered. Gross.	Registered. Net.		
British	[2] 56	213,897	265,005	351,644	217,918	$272,059.85	370,437
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	5,299
Colombian	1	81	92	153	68	101.25	161
Dutch	4	19,529	25,999	31,426	19,355	24,411.25	40,054
French	5	18,141	22,805	30,029	18,047	22,676.25	31,244
German	9	26,114	35,186	42,896	26,203	32,630.86	52,430
Italian	3	12,817	14,504	20,291	12,467	15,911.80	19,929
Japanese	7	28,704	30,256	39,942	27,737	35,020.70	50,480
Norwegian	6	13,281	19,408	22,013	13,237	16,481.32	31,924
Panaman	4	266	306	506	265	332.50	466
Peruvian	1	1,483	1,529	2,155	1,169	1,834.80	2,313
Spanish	1	2,960	3,729	5,087	3,000	3,700.00	3,102
Swedish	6	18,308	24,482	48,364	21,889	22,885.00	64,737
United States	112	451,162	583,274	730,131	450,341	563,689.55	1,003,512
Totals, October, 1926	216	810,255	1,031,280	1,331,947	815,672	1,016,075.13	1,676,088
Totals, October, 1925	187	692,905	874,026	1,126,704	699,849	865,931.08	1,366,368
Totals, October, 1924	195	756,200	946,221	1,216,199	760,468	939,766.42	1,419,575

[2] Includes 2 British cruisers of 9,405 tons displacement.

COMBINED TRAFFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
Argentinian	[1] 1	.....	.....	.....	.....	$1,200.00	.....
British	[2] 109	432,006	548,188	711,620	440,462	525,573.33	555,927
Chilean	3	10,503	14,082	21,930	11,928	13,128.75	11,254
Colombian	3	1,445	1,690	2,361	1,387	1,806.25	1,697
Danish	4	16,003	20,170	24,182	16,101	18,814.98	19,342
Danzig	1	5,193	5,929	8,745	5,026	4,268.88	.....
Dutch	7	35,281	47,084	57,420	34,652	44,101.25	51,155
French	13	48,057	60,408	78,513	47,565	56,568.03	40,698
German	16	43,642	58,402	71,808	43,798	54,540.86	78,066
Greek	1	3,208	4,047	5,269	3,322	4,010.00	6,124
Italian	6	23,933	27,892	38,525	23,557	29,806.80	24,196
Japanese	14	58,607	65,040	83,812	56,680	72,053.30	95,951
Mexican	1	1,569	2,159	2,876	1,892	1,961.25	21,45
Norwegian	23	53,405	69,817	83,740	52,582	64,149.52	80,045
Panaman	6	1,763	3,036	4,357	2,968	2,203.75	4,250
Peruvian	3	6,268	6,491	8,606	5,484	7,741.35	9,145
Spanish	2	5,419	6,556	9,436	5,565	6,773.75	3,370
Swedish	8	25,794	33,399	79,040	30,651	29,305.24	64,737
United States	224	902,412	1,150,129	1,452,432	898,077	1,051,206.64	1,326,609
Totals, October, 1926	445	1,674,508	2,124,519	2,744,672	1,681,697	1,989,213.93	2,374,711
Totals, October, 1925	410	1,544,150	1,955,485	2,518,390	1,557,428	1,826,314.64	2,009,171
Totals, October, 1924	393	1,523,804	1,923,950	2,448,092	1,526,636	1,796,255.77	2,017,980

[1] Naval training ship of 2,400 tons displacement. [2] Includes 2 British cruisers of 9,405 tons displacement.

Notice to Mariners.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., *November 13, 1926.*

The following is quoted from the HYDROGRAPHIC BULLETIN of November 3:

NICARAGUA.

Corinto Harbor, buoyage, depths.—The U. S. S. *Tulsa* has made a thorough investigation of Corinto Harbor and reports as follows:

Black buoy No. 1 is moored 335 yards, 70° from Cardon Head lighthouse, in 27 feet of water.

Black buoy No. 3 is moored 735 yards, 112° 30′ from Cardon Head lighthouse, in 26 feet of water. The 16-foot shoal 675 yards, 105° from Cardon Head lighthouse on H. O. chart No. 2604, could not be found. A depth of 19 feet was obtained in this locality.

Red buoy No. 4 is moored 1,175 yards, 126° 10′ from Cardon Head lighthouse, in 17 feet of water.

Red buoy No. 6 is moored 1,730 yards, 116° 15′ from Cardon Head lighthouse, in 15 feet of water.

Red buoy No. 8 is moored 2,245 yards, 96° 40′ from Cardon Head lighthouse, in 22 feet of water.

The white beacon near the landing stage is located 550 yards, 140° 30′ from Cardon Head lighthouse. There are three rocks awash at low water within a radius of 15 feet from this beacon. There are no rocks awash on the 9-foot shoal northward of this beacon, and a least depth of 9 feet was found in that locality.

The beacon bearing 264° from the church is in the position shown on the chart but is approximately 400 feet from the low-water line. This bank is apparently extending to the westward.

The Mount Dona Paula Range beacons are in position as charted.

It is believed that the banks marked by buoys 4, 6, and 8 are gradually extending, due to the heavy surf and the current through False Channel.

Soundings along the eastern side of Pacific Commercial Company's dock at low water show 26 feet at the southern end, gradually decreasing to 22 feet at the middle of the dock and increasing to 31 feet at the northern end. Soundings along the northeast face of the dock, at low water, show 31 feet at the southeast end, gradually decreasing to 13 feet at a point 215 feet from the bend, from which point the depths decrease rapidly.

M. L. WALKER,
Governor.

United States Intercoastal Traffic by Commodities for October, 1926.

The following table shows the amount of cargo carried through the Canal in the United States intercoastal trade, segregated by commodities and direction, with the totals, and the totals for October, 1925, and 1924. Cargo statistics are compiled from cargo declarations submitted by masters of vessels, and in these declarations small items are frequently grouped under the designation of "General Cargo." These statistics are accordingly not precise but they are indicative of the kind and quantity of the cargo in transit through the Canal. The figures represent tons of 2,240 pounds and are for the United States intercoastal trade only:

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Total.
Agricultural implements	1,153	.....	1,153
Alfalfa	.....	50	50
Ammonia	49	.....	49
Ammunition	15	.....	15
Asphalt	.....	80	80
Asbestos	94	.....	94
Automobiles	368	62	430
Automobile accessories	2,936	22	2,958
Beans	.....	12,123	12,123
Borax	179	1,286	1,465
Bricks	701	.....	701
Canned goods:			
Fish	225	27,716	27,941
Fruit	323	36,399	36,722
Meat	385	2,044	2,429
Vegetables	474	6,263	6,737
Milk	.....	20	20
Other	2,410	3,929	6,339
Celite filtercel	.....	105	105
Cement	1,219	.....	1,219
Charcoal	183	.....	183
Chemicals	1,086	15	1,101
Cocoa	20	10	30
Coal	2,700	.....	2,700
Coconuts	.....	28	28
Coffee	122	.....	122
Cold storage:			
Lard	1,022	.....	1,022
Other	40	.....	40
Confectionery	494	.....	494
Cotton	.....	798	798
Drugs	223	.....	223
Earthenware	120	.....	120
Fertilizer	150	.....	150
Flour	.....	5,815	5,815
Fruits:			
Dried	22	17,411	17,433
Furniture	133	.....	133
General	73,102	23,774	96,876
Glass	1,146	165	1,311
Hardwoods	343	.....	343
Hay	.....	68	68
Hemp	.....	638	638
Honey	.....	183	183
Hops	.....	27	27
Ink	235	.....	235
Jute	50	.....	50
Leather	15	.....	15
Linoleum	53	.....	53
Lumber	757	222,422	223,179
Marble	262	40	302
Manufactured goods:			
Iron and steel	80,111	10	80,121
Machinery	2,306	496	2,802
Railroad material	3,184	27	3,211
Textiles	1,794	.....	1,794
Other	1,975	394	2,369
Matches	81	.....	81
Metals:			
Copper	73	7,057	7,130
Iron	629	.....	629
Lead	.....	1,010	1,010
Scrap	175	75	250
Tin	1,996	.....	1,996
Zinc	46	.....	46
Other	25	.....	25

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Total.
Milk, powdered	.....	213	213
Musical instruments	21	.....	21
Nitrates	.....	50	50
Nuts	.....	774	774
Oils:			
Crude	.....	300,940	300,940
Linseed	1,565	.....	1,565
Lubricating	3,109	10,180	13,289
Olive	23	.....	23
Refined	100	51,000	51,100
Vegetable	181	.....	181
Ores:			
Copper	.....	2,249	2,249
Manganese	.....	50	50
Paints	56	.....	56
Paper	3,478	1,095	4,573
Peanuts	25	.....	25
Phosphates	268	.....	268
Porcelain	.....	380	380
Rags	.....	92	92
Rice	301	1,045	1,346
Rope	17	.....	17
Rosin	764	.....	764
Rubber:			
Manufactured	832	.....	832
Scrap	.....	242	242
Salt	92	.....	92
Sand	1,570	.....	1,570
Seeds:			
Grass	.....	95	95
Shells, oyster	937	.....	937
Skins and hides	.....	1,961	1,961
Slate	108	.....	108
Soap	976	.....	976
Soda	84	.....	84
Soda, ash	1,001	.....	1,001
Soda, bicarbonate	36	.....	36
Soda, caustic	387	.....	387
Sugar	188	.....	188
Sulphur	1,291	.....	1,291
Syrup	398	.....	398
Tea	.....	246	246
Tobacco	1,660	12	1,672
Toys	14	.....	14
Turpentine	47	.....	47
Waste	22	126	148
Wax	.....	23	23
Wheat	.....	50	50
Wine	.....	780	780
Wool	.....	1,540	1,540
Totals, October, 1926	204,755	743,705	948,460
Totals, October, 1925	166,901	498,987	665,888
Totals, October, 1924	155,019	635,503	790,522

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending November 13, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
City of Panama	Panama Mail S. S. Co.	November 7	November 7	196	.....
Henderson	U. S. Government	November 8	November 11	7	.....
Venezuela	Panama Mail S. S. Co.	November 10	November 11	296	.....
Brielle	Royal Netherlands W. I. Mail	November 11	November 11	273	.....
Cauca	National Navigation Co.	November 12	November 12	.....	6
Ansgir	Roland Line	November 12	November 12	30	30
Oroya	Pacific Steam Navigation Co.	November 12	November 12	.....	12

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines, and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending November 13, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Atrato	Colombian Transport Co		November 7		162
San Mateo	United Fruit Co		November 7		288
Parismina	United Fruit Co	November 7	November 7	644	112
City of Panama	Panama Mail S. S. Co	November 7		888	
Toloa	United Fruit Co	November 7	November 7	32	(2)
Georgic	French Line	November 7	November 8	196	69
Santa Ana	Grace Line	November 8	November 8	2½	3
Calamares	United Fruit Co	November 10	November 8	752	6
Cali	Roland S. S. Line	November 8	November 11	225	900
Harold Walker	Pan-Amer. Pet. & Tr. Co	November 9	November 11	10,563	(2)
Amazonas	Peruvian Line	November 9	November 10	45	(2)
Galicia	Hamburg-American Line	November 9	November 10	4½	430
M. F. Benefit	A. Britton	November 10	November 10	(1)	34
Meltonian	Leyland S. S. Line	November 10	November 11	540	(2)
Brielle	Royal Netherlands W. I. Mail	November 10	November 11	459	366
Van Renselaer	Royal Netherlands W. I. Mail	November 10	November 11	51	(2)
Zenon	French Line	November 10	November 10	500	41
Tivives	United Fruit Co	November 10	November 11	97	764
Atenas	United Fruit Co	November 10	November 11	690	112
Parismina	United Fruit Co	November 10	November 10	(1)	294
Essequibo	Pacific Steam Nav. Co	November 11	November 11	90	31
Virginia	Standard Fruit S. S. Co	November 11	November 11	245	[illegible]
Smaland	Colombian Transport Co	November 11		865	
Padilla	Colombian S. S. Line	November 11		132	
Ancon	Panama Railroad S. S. Line	November 11		3,780	
Santa Marta	United Fruit Co	November 11	November 11	4	22
Venezuela	Panama Mail S. S. Co	November 10	November 12	555	152
Kinderdyk	Holland-American Line	November 12		6	
A. C. Bedford	Standard Oil Co	November 11	November 13	15,050	(2)
Cauca	National Navigation Co		November 12		332
Oroya	Pacific Steam Nav. Co	November 12	November 12	127	77
Newsome	United Fruit Co	November 12	November 13	(1)	374½
Buenos Aires	Spanish Line	November 12	November 13	177	2
Eemdijk	Holland-American Line	November 13		60	
Van Renselaer	Royal Netherlands W. I. Mail	November 13	November 13	(1)	277
Dinteldyk	Holland-American Line	November 13		230	
Virginia	Standard Fruit S. S. Co	November 13	November 13	(1)	446
Acajutla	Pacific Steam Nav. Co	November 13		254	
Orita	Pacific Steam Nav. Co	November 13	November 13	4	18
San Benito	United Fruit Co	November 13	November 13	53	91
Cavina	Elders & Fyffes Line	November 13	November 13	1	(3)

[1] No cargo discharged. [2] No cargo laded. [3] 2 cases.

Telegraphic Communication.

Telegraphic communication between the Isthmus and the rest of the world is handled by the All-America Cables, Inc., the Naval radio system, and the radio system of the United Fruit Co.

The Naval radio system is used for Government communication with the United States; and for messages to or from ships, on both Government and commercial business. The only land areas to which it handles commercial messages are those sections of the Republic of Panama contiguous with the outlying radio stations at La Palma and Puerto Obaldia, stations in Colombia reached through the radio station at Cartagena, the radio stations in the Caribbean area operated by the United Fruit Company, and the government stations at Bluefields, Nicaragua, and Belize, British Honduras.

With the rest of the world, away from the Isthmus, the means of telegraphic communication are the system of the All America Cables and its connections, and the United Fruit Company's radio system.

The Naval radio will also accept messages in connection with the United Fruit Company's stations at Bocas del Toro, R. P., Port Limon, Costa Rica; as well as messages for Bluefields, Nicaragua, and Belize (British Government station).

LAND TELEGRAPH ON THE ISTHMUS.

For both the Naval radio service and the cable lines, messages may be filed in any office of the Panama Railroad's railway telegraphic system or of the National Telegraphs of the Republic of Panama. When this is done the local telegraph service collects a charge for local transmission which is in addition to the regular radio or cable rates as levied on messages filed at the radio stations or cable offices. This charge is at the rate of 2 cents a word for the first 10 words and 1 cent a word for additional words above 10, the minimum being 20 cents for any message so handled. If a message be filed through the Panama Railroad or Panama National telegraph offices, their transmission charges must be reckoned as in addition to the radio and cable rates as given below.

NAVAL RADIO RATES.

The rates on commercial business sent or received through the Naval radio stations (Balboa, Colon, or Cape Mala) are as follows:

	Per word.
To and from ships at sea:	
Naval radio station charge	$0.12
Commercial ship charge	.08
Panama National telegraph	.02
Total	.22
To and from points in Colombia:	
Naval radio station charge	.10
Colombian radio station charge	.10
Landwire charge (Spanish)	.04
Landwire charge (other language)	.08
To and from points in Nicaragua:	
Naval radio station charge	.06
Panama National telegraph charge	.02
Tropical radio station charge to—	
Bragman's Bluff, Nicaragua	.73
Cape Gracias, Nicaragua	.49
El Gallo, Nicaragua	.59
Rio Grande, Nicaragua	.59
All other places	.14

ALL AMERICA CABLE RATES.

The rates in effect at present for transmission by the cables of the All-America Cables, Inc., are as follows. In general, the rates from the points named to the Canal Zone are the same as the rates from the Canal Zone to the points:

Rate per word to—	Per word. Full rate.	Per word. Deferred rate.
Alabama	$0.38	
Alaska	.69	
Alberta, Canada	.44	
Arizona	.44	
Arkansas	.41	
Ascencion Island (Atlantic Ocean)	1.06	
Australia:		
Via Pacific	1.08	
Via Azores	1.08	
Austria	.70	
Azores	.66	
Antigua (British West Indies)	.71	
Aruba (Dutch West Indies)	1.45	
Argentina:		
Buenos Aires, Mendoza, Junin, Rosario and Villa Mercedes	.40	
Other places	.48	
Belgium	.63	
Bermuda (Atlantic Ocean) (via New York)	.74	
British Columbia Canada	.44	
Bulgaria and Eastern Roumelia	.73	
Barbados (British West Indies)	.59	
British Guiana	.71 to .81	
Bahamas	.63 to .70	
Bolivia	.39 to .64	
Brazil:		
Rio Janeiro, Santos, and San Paulo	.50	
Amazon River stations	.69 to 1.20	
California	.44	
Ceylon (Indian Ocean)	1.01	
China	1.30 to 1.45	
Colorado	.41	
Connecticut	.24	
Curaçao (Dutch West Indies)	1.33	
Chile:		
Iquique, Antofagasta, Valparaiso Santiago; Tacna, Arica and Tocopilla	.30	
Punta Arenas (via Santiago and wireless)	.46	
Other places	.34	
Canada:		
Cape Breton, New Brunswick, Nova Scotia	$0.38	
Ontario, Prince Edward Island, Quebec	.38	
Cuba:		
Santiago de Cuba and Fisherman's Point	.25	$0.12½
Other places	.30	16½
Habana (via New York)	.45	22½
Costa Rica:		
San Jose, Punta Arenas, and Port Limon	.15	
Other places	.20	
Colombia:		
Buenaventura and Cartagena	.16	.08
Other places	.18 to .21	.10 to .13
Delaware	.34	
Denmark	.66	
District of Columbia	.34	
Dominica (British West Indies)	.71	
Dutch Guiana	1.47	
Dominican Republic:		
Santo Domingo and Puerto Plata	.50	.25
Other places	.47 to .85	.28 to .33
Egypt:		
Alexandria and Cairo	.85	
Esthonia	.76	
Ecuador:		
Esmeraldas, Guayaquil, and Santa Elena	.25	
Other places	.30	
Finland	.69	
Florida:		
Key West	.44	
Other places	.41	
Formosa Island	1.48	
France	.63	
French Guiana	1.37	
Galveston, Texas	.35	
Georgia	.38	
Germany	.65	
Gibralter	.76	
Great Britain and Ireland	.60	

Rate per word to—	Per word. Full rate.	Per word. Deferred rate.
Greece and Islands	$0.75	.....
Guam Island:		
Via commercial Pacific	1.17	.....
Via Eastern or Indo	1.60	.....
Grenada (British West Indies)	.71	.....
Guadeloupe (French West Indies)	.95	.....
Guatemala:		
San Jose de Guatemala	.20	.....
Other places	.25	.....
Hawaiian Islands:		
Honolulu, and all places Oahu Island	.77	.....
Hawaii, Maui, Kauai, and Molokai Islands	.92	.....
Holland	.65	.....
Hungary	.73	.....
Haiti:		
Port au Prince, Mole, St. Nicholas, Cape Haitien	.65	.....
Other places	.70	.....
Via F. P. and wireless	.50	.....
Honduras	.25	.....
Habana (via New York)	.45	$0.22½
Iceland	.68	.....
Idaho	.44	.....
Illinois	.38	.....
India	1.01	.....
Indiana	.38	.....
Iowa	.41	.....
Italy	.67	.....
Jap or Yap, Carolina Islands	1.48	.....
Japan	1.27 to 1.48	.....
Jamaica (British West Indies)	.59	.....
Kansas	.41	.....
Kentucky	.38	.....
Louisiana	.41	.....
New Orleans City	.30	.....
Luxemburg	.67	.....
Les Saintes (French West Indies)	.95	.....
Labrador	.44	.....
Labuan Island (Borneo) via Azores	$1.26	.....
Lagos, via Azores and Singapore	1.30	.....
Latvia, (Letonia)	.74	.....
Liberia-Monrovia, via Azores	1.38	.....
Lithunia (Mamel)	.73	.....
Madagascar (Indian Ocean)	1.10	.....
Madeira Islands	.86	.....
Maine	.36	.....
Makatea Island:		
Via Pacific	.94	.....
Via Azores	1.64	.....
Malay Peninsula	1.29 to 1.31	.....
Malta	.72 to .83	.....
Manchuria, China, via Indo or Northern	1.40	.....
Manitoba, Canada	.41	.....
Marshall Islands	1.35 to 1.48	.....
Maryland	.34	.....
Massachusetts	.34	.....
Mauretania, via Havre	.98	.....
Mauritius Island	1.06	.....
Mesopotamia	1.09	.....
Mexico:		
Salina Cruz, Vera Cruz, Mexico City, Tampico, and Puerto Mexico	.30	.15
Other places	.33	.18
Michigan	.38	.....
Mississippi	.38	.....
Minnesota	.41	.....
Missouri	.41	.....
Montana	.41	.....
Monrovia	1.38	.....
Montenegro	.71	.....
Montserrat	.71	.....
Maria Galante	.95	.....
Monaco	.63	.....
Martinique	.95	.....
Morroco, North Africa	.75 to .77	.....
Nassau, Bahama Islands (Atlantic Ocean)	.65	.....
Nebraska	.41	.....
Nevada	.44	.....
New Brunswick, Canada	$0.38	.....
Newfoundland	.44	.....
New Hampshire	.34	.....
New York City	.30	.....
New York State	.34	.....
New Orleans, La	.30	.....
New Jersey	.34	.....
New Mexico	.41	.....
North Carolina	.38	.....
New Zealand	1.00	.....
North Dakota	.41	.....
Norway	.75	.....
Nova Scotia, Canada	.38	.....
Nicaragua:		
San Juan del Sur	.15	.....
Other places	.20	.....
Ohio	.38	.....
Oklahoma	.41	.....
Ontario, Canada	.38	.....
Oregon	.44	.....
Pennsylvania	.34	.....
Persia	.99 to 1.22	.....
Philippine Islands	1.27 to 1.58	.....
Poland	.72	.....
Portugal	.76	.....
Porto Rico:		
Ponce and San Juan	.30	$0.15
Other places	.33	.18
All Porto Rico via F. P. and wireless)	.45	.....
Peru:		
Paita, Callao, Lima, and Trujillo	.35	.17½
Mollendo, Arequipa, and other southern stations	.55	.30½
Other places	.40	.22½
Iquitos, via wireless	.45	.....
Paraguay	.48	.....
Quebec, Canada	.38	.....
Rhode Island	.34	.....
Roumania	.73	.....
Russia in Europe	.76	.....
Russia in Asia (Siberia, including Vladivostock)	.76	.....
Russia in Caucasus	.76	.....
Servia	.71	.....
South Carolina	.38	.....
South Dakota	.41	.....
Spain	.73	.....
Sweden	.65	.....
Switzerland	.67	.....
Syria	.88	.....
St. Christopher (British West Indies)	.71	.....
St. Kitts (British West Indies)	.71	.....
St. Lucia (British West Indies)	.71	.....
St. Vincent (British West Indies)	.71	.....
St. Croix and St. Thomas (West Indies)	.67	.....
Salvador	.25	.....
Tasmania	1.06	.....
Tennessee	.38	.....
Texas, via New York	.41	.....
Galveston, Texas	.35	.....
Turkey in Asia	.86	.....
Turkey in Europe	.76	.....
Tobago (British West Indies)	.77	.....
Trinidad (British West Indies)	.71	.....
Port of Spain	.71	.....
Other places	.73	.....
Turks Island	.80	.....
Utah	.44	.....
Uruguay:		
Montevideo	.40	.....
Other places	.47	.....
Vermont	.34	.....
Virginia	.38	.....
Venezuela:		
Via Santiago de Cuba	1.15	.60
Via Trinidad and wireless	.84	.....
Washington (state)	.44	.....
Wisconsin	.38	.....
West Virginia	.38	.....
Wyoming	.41	.....
Yukon	.74	.....

DEFERRED AND WEEK-END LETTER RATES.

In connection with the rates quoted above for the All-America Cables, the manager on the Isthmus has furnished the following regarding rates on deferred messages and week-end letters:

"There is at present in force from the Isthmus of Panama, a deferred cable rate which, with some exceptions, is just half of the ordinary commercial cable rate. This rate is in force to practically all parts of the world, including Central and South America. Full paid commercial traffic naturally has precedence over deferred rate traffic. The latter, however, in no instance can be delayed for more than 24 hours, after which time it takes equal turn with full paid commercial traffic.

"We give from the Isthmus of Panama, a very excellent deferred service. Our facilities are such that we are able to give this traffic practically as good a turn as commercial traffic. That, however, only applies in so far as the Isthmus of Panama is concerned.

"The week-end letter rate can be used only on messages forwarded over the week-end. Such messages, however, may be filed at any time during the week but are not transmitted until Saturday, and are prepared for delivery with the opening of business Monday morning. Such messages can only be sent to offices of this company, registered code addresses being permitted at the sender's risk. We will also accept these messages for points beyond our lines providing postal address is entirely clear to enable us to mail from our nearest office.

"The messages must be written in plain language of the country of origin or destination, code not being admissible. Numbers, except in addresses, must be written in words. The use of more than one language in the same message is not permitted.

The rates in effect at present for transmission by the cables of the All-America Cables, Inc., of week-end letters are as follows:

WEEK-END LETTER RATE FOR TRANSMISSION ON SATURDAYS AND SUNDAYS.

New York City:	
20 words or less	$1.50
Each additional word	.07½
New Orleans City:	
20 words or less	1.50
Each additional word	.07½
Galveston City:	
20 words or less	1.75
Each additional word	.08¾
Connecticut, District of Columbia, Delaware, Maryland, Massachusetts, New Hampshire, New Jersey, New York, (except New York City), Pennsylvania, Rhode Island, and Vermont:	
20 words or less	1.70
Each additional word	.08½
Maine:	
20 words or less	1.80
Each additional word	.09
Alabama, Georgia, Illinois, Indiana, Kentucky, Michigan, Mississippi, North Carolina, Ohio, South Carolina, Tennessee, Virginia, West Virginia, Wisconsin:	
20 words or less	1.90
Each additional word	.09½
Arkansas, Colorado, North Dakota, South Dakota, Florida (except Key West), Iowa, Kansas, Louisiana (except New Orleans), Minnesota, Missouri, Montana, Nebraska, New Mexico, Oklahoma, Texas (via New York), Wyoming:	
20 words or less	$2.05
Each additional word	.10½
Arizona, California, Key West, Florida, Idaho, Nevada, Oregon, Utah, Washington,	
20 words or less	2.20
Each additional word	.11
Cape Breton, New Brunswick, Nova Scotia, Ontario, Prince Edward Island, Quebec:	
20 words or less	1.90
Each additional word	.09½
Manitoba:	
20 words or less	2.05
Each additional word	.10¼
Alberta, British Columbia, Newfoundland, Saskatchewan, St. Pierre, Miquelon:	
20 words or less	2.20
Each additional word	.11
Mexico:	
20 words or less	1.50
Each additional word	.07½

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective October 7, 1926:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.26
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.26
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.48
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.15
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.14
Paint, zinc oxide, dry	Lb.	.09
Paint, zinc oxide, in oil	Lb.	.14
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.21
Waste, cotton, white	Lb.	.24

Location of Patients and Visiting Hours, at Ancon Hospital.

The following table shows the distribution of patients in the Ancon hospital buildings and the visiting hours for the various wards and sections:

Section and Ward.	Visiting Hours.
Section "B:"	
Ward 5, Male, private rooms, American boys	Daily 9.30 to 11 a. m.; 2.00 to 4.30 p. m.; 6.30 to 8.00 p. m.
Ward 6, Foreign, male and female, private rooms, American girls	(No visitors permitted in nursery.)
Ward 7, White female, private rooms	
Ward 8, Obstetrical department, white females (Nursery)	
Section "C:"	
Ward 9, White foreign, male	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p. m.
Ward 11, Colored, male, surgical	
Ward 12, Colored, male, medical, eye and ear	
Ward 13, Colored, male, G. U	
Ward 14, American, male, G. U	
tion "D:"	
Ward 15, American, male, surgical	Tuesdays, Thursdays, and Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m.
Ward 16, American, male, medical, eye and ear	Sundays and holidays, 9.30 to 11 a. m.; 2.30 to 4.30 p. m.
Ward 17, Colored children	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 18, White children	Daily 9.30 to 11 a. m.; 2 to 4 p. m.
Ward 19, Colored, female, medical	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 20, Colored, female, surgical, obstetrical	
Isolation	No visitors permitted except to visit tuberculosis patients. Thursdays, Sundays, and holidays, 1.30 to 3 p. m.

Permission to visit outside of visiting hours will be granted upon application to the Superintendent's Office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., November 24, 1926. No. 16.

Transit of Steamer "Mataroa" in British Isles-New Zealand Trade.

The British steamer *Mataroa*, owned and operated by Shaw, Savill, & Albion, transited the Canal on November 21, en route from London to Wellington, New Zealand.

In addition to carrying 5,800 tons of general cargo, the vessel carried 111 first-class and 561 third-class passengers. With a crew of 202, the total number of persons on board at time of transiting the Canal was 874.

This is the maiden voyage of the *Mataroa* under the ownership of Shaw, Savill & Albion. Before being acquired by this line the vessel was named the *Diogenes*. She is scheduled to continue in the British Isles–New Zealand service indefinitely.

The *Mataroa* is 500.4 feet long with a beam of 63.2 feet; she has a net tonnage, Panama Canal measurement of 9.233. Tolls, based on a United States net tonnage of 7,001, were $8,751.25.

Large Shipment of Fresh Fruit from Pacific Coast Ports to Europe.

The steamship *Narenta*, owned and operated by the Royal Mail Steam Packet Company, transited the Canal on November 9, with 5,579 tons of general cargo.

The bulk of this cargo consisted of 4,015 tons of fresh apples shipped at Portland, Seattle, and San Francisco for United Kingdom and continental ports. This shipment, which consisted of more than 180,000 boxes of the fruit, is reported by shipping journals as one of the largest to leave the Pacific coast during the present season. Other important cargo was 411 tons of canned fish and 276 tons of dried fruit.

Mineral Oil Shipments from West Coast United States to East Coast South America.

The tank ship *Crampton Anderson*, owned and operated by the Pan-American Petroleum and Transport Company and chartered by the Huasteca Petroleum Co., transited the Canal on November 22, en route from San Pedro to Rio de Janeiro, carrying a cargo of 10,000 tons of fuel oil.

This is the fourth shipment of mineral oil in this trade since June of this year. The combined cargo tonnage was 44,868, of which 19,000 tons were crude oil and 25,868 fuel oil. Only one shipment of 9,500 tons was made during the calendar year 1925.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

CANAL WORK IN OCTOBER, 1926.

The following is the report of the Governor to the Secretary of War, of Canal work in the month of October, 1926.

BALBOA HEIGHTS, C. Z., *November 17, 1926.*

The Honorable, the Secretary of War,
Washington, D. C.

SIR: I have the honor to submit the following report covering operations of The Panama Canal during the month of October, 1926:

NUMBER OF TRANSITS.

During the month, 445 commercial vessels transited the Canal. In addition to these, 19 small nonseagoing launches measuring under 20 tons, and 25 vessels belonging to or chartered by the United States Government, transited the Canal. There was also one transit of a vessel solely for repairs on which no tolls were collected, making the total transits for the month, 490, or a daily average on all transits of 15.8.

Tolls on the 445 commercial vessels amounted to $1,989,213.93, and on the launches to $124.56, making the total tolls collections for the month $1,989,338.49, or a daily average on all traffic of $64,172.21. The average amount of tolls paid by each of the commercial transits was $4,470.14, as compared with $4,528.31 for the month of September.

The total number of craft of all kinds transiting the Canal during the month of October, as compared with the same months in 1925 and 1924, is shown in the following tabulation:

	October, 1926.	October, 1925.	October, 1924.
Commercial vessels	445	410	393
Noncommercial vessels (Army and Navy)	25	26	13
Launches (under 20 tons measurement)	19	27	4
For repairs	1	...	
Total vessels and craft through Canal	490	463	410

In addition to the vessels listed above, Panama Canal equipment consisting of dredges, tugs, barges, launches, etc., was passed through the locks as follows

	Northbound.	Southbound.	Total.
Gatun	11	11	22
Pedro Miguel	47	37	84
Miraflores	47	36	83
Totals	105	84	189

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of commercial vessels, Panama Canal net tonnage, tolls, and tons of cargo carried by commercial vessels transiting the Canal each month, from the beginning of the calendar year, 1926, to the end of October, 1926, as compared with the same months in the preceding year:

Month.	No. vessels.		Panama Canal net tonnage.		Tons of cargo.		Tolls.	
	1925.	1926.	1925.	1926.	1925.	1926.	1925.	1926.
January	401	479	1,962,015	2,300,187	1,907,469	2,346,643	$1,832,024.35	$2,103,368.29
February	379	424	1,789,447	1,991,127	1,839,619	2,129,207	1,648,964.88	1,835,226.47
March	398	506	1,964,106	2,398,694	2,104,324	2,607,046	1,840,103.14	2,206,212.20
April	382	425	1,840,692	2,048,247	1,959,502	2,237,567	1,735,429.37	1,917,457.11
May	372	470	1,847,682	2,243,103	1,823,042	2,416,701	1,705,582.20	2,056,965.55
June	368	419	1,753,327	1,990,344	1,920,323	2,134,686	1,659,490.06	1,852,670.66
July	418	456	1,951,295	2,154,821	1,960,564	2,185,527	1,800,239.84	1,980,719.67
August	372	464	1,779,627	2,230,905	1,912,217	2,321,697	1,657,893.90	2,055,041.91
September	388	446	1,831,039	2,186,834	1,891,988	2,239,547	1,692,723.11	2,019,626.42
October	410	445	1,855,485	2,124,519	2,009,171	2,374,711	1,826,314.64	1,989,213.93
Totals	3,888	4,534	18,672,715	21,668,751	19,319,709	23,003,332	17,398,775.49	20,016,502.21

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in the direct service of the United States Government, including merchant vessels chartered by the Government, do not pay tolls. Shipping Board vessels in commercial service pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

The following is a summary of the commercial traffic for October, 1926, as compared with the corresponding month in 1925 and 1924, and the monthly average for the fiscal year 1926:

	October, 1926.	October, 1925.	October, 1924.	Average for month for fiscal year, 1926.
Number of vessels	445	410	393	433
United States net tonnage	1,674,508	1,544,150	1,523,804	1,621,069
Panama Canal net tonnage	2,124,519	1,955,485	1,923,950	2,064,549
Registered gross tonnage	2,744,672	2,518,390	2,448,092	2,639,385
Registered net tonnage	1,681,697	1,557,428	1,526,636	1,629,073
Tolls	$1,989,213.93	$1,826,314.64	$1,796,255.77	$1,910,921.33
Tons of cargo carried	2,374,711	2,009,171	2,017,980	2,169,787

The average daily number of transits, tonnage, tolls, and cargo is shown in the following statement, in comparative form, commercial vessels only:

	Average per day.			Average per day for fiscal year, 1926.
	October, 1926.	October, 1925.	October, 1924.	
Number of transits	14.36	13.23	12.68	14.24
Panama Canal net tonnage	68,533	63,080	62,063	67,875
Tolls	$64,168.19	$58,913.38	$57,943.73	$62,824.80
Tons of cargo carried	76,603	74,812	65,096	71,335

AVERAGE TONNAGE, TOLLS, AND TONS OF CARGO PER VESSEL.

The average tonnage, tolls, and cargo per vessel transiting the Canal during the month of October, 1926, as compared with October, 1925, and October, 1924, are shown in the following tabulation:

	Average per vessel.		
	October, 1926.	October, 1925.	October, 1924.
United States equivalent net tonnage	3,763	3,766	3,877
Panama Canal net tonnage	4,774	4,769	4,895
Registered gross tonnage	6,167	6,142	6,229
Registered net tonnage	3,779	3,798	3,885
Tolls	$4,470.14	$4,454.67	$4,570.63
Tons of cargo (including vessels in ballast)	5,336	4,900	5,135
Tons of cargo (laden vessels only)	6,216	5,807	6,209

TOLLS.

At present, tolls are collected at rates of $1.29 per ton for laden vessels and $0.72 per ton for vessels in ballast, computed on the basis of The Panama Canal rules of measurement, with the provision that tolls shall not exceed $1.25 per ton nor be less than $0.75 per ton as determined in accordance with the United States rules for the measurement of net registered tonnage. In order to ascertain the proper tolls charges, it is necessary, therefore, that the net tonnage of vessels transiting the Canal be determined both in accordance with The Panama Canal and the United States rules of measurement.

Taking the traffic through the Canal for the month of October, 1926, the following tabulation shows a comparison of tolls actually collected under the present method of assessing tolls and the tolls that would have been collected on the basis of The Panama Canal rules of measurement at the proposed rates of $1 laden and $0.60 ballast, with transits for the month segregated by flag:

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
Argentinian	$1,200.00	$1,200.00	.....	.....
British	525,573.33	531,146.90	$5,573.57	.....
Chilean	13,128.75	14,082.00	953.25	.....
Colombian	1,806.25	1,690.00	.....	$116.25
Danish	18,814.98	18,346.40	.....	468.58
Danzig	4,268.88	3,557.40	.....	711.48
Dutch	44,101.25	47,084.00	2,982.75	.....
French	56,568.03	56,608.40	40.37	.....

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
German	$54,540.86	$58,616.80	$4,075.94	
Greek	4,010.00	4,047.00	37.00	
Italian	29,806.80	27,892.00		$1,914.80
Japanese	72,053.30	65,049.00		7,013.30
Mexican	1,961.25	2,159.00	197.75	
Norwegian	64,149.52	67,366.60	3,217.08	
Panaman	2,203.75	3,036.00	832.25	
Peruvian	7,741.35	6,491.00		1,250.35
Spanish	6,773.75	6,556.00		217.75
Swedish	29,305.24	29,832.20	526.96	
United States	1,051,206.64	1,058,802.60	7,595.96	
Totals	1,989,213.93	2,003,554.30	26,032.88	11,692.51

The increase on vessels of United States registry would have been made up, with respect to channels of trade in which the vessels were engaged, as follows:

United States intercoastal trade	$4,416.28
United States foreign trade	4,822.09
United States-Canal Zone trade	[1] 1,642.41
Total	7,595.96

[1] Indicates decrease under proposed rates.

RATIO OF CARGO TO NET TONNAGE.

The ratio of cargo to net tonnage, Panama Canal measurement, of vessels transiting the Panama Canal in October, 1926, is shown in the following tabulation, segregated by nationality of vessels and direction of transit. Laden vessels only are included:

Nationality.	Atlantic to Pacific.	Pacific. to Atlantic.	Totals.
British	.81	1.39	1.10
Chilean	.63	1.12	.79
Colombian	.95	1.76	1.00
Danish	1.24		1.24
Dutch	.52	1.54	1.08
French	.34	1.37	.80
German	1.10	1.60	1.39
Greek	1.51		1.51
Italian	.32	1.37	.87
Japanese	1.31	1.66	1.47
Mexican	.99		.99
Norwegian	1.07	1.69	1.25
Panaman	1.32	1.53	1.40
Peruvian	1.37	1.52	1.41
Spanish	.09	.83	.51
Swedish		2.64	2.64
United States	.95	1.72	1.44
Average, October, 1926	.90	1.63	1.31
Average, October, 1925	.85	1.57	1.23
Average, October, 1924	.90	1.53	1.26

CLASSIFICATION OF VESSELS.

A further classification of vessels passing through the Canal during the month of October, 1926, is as follows:

Class	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Tank ships:						
Laden				59	331,919	$336,060.70
Ballast	46	258,496	$186,495.81			
General cargo ships:						
Laden	171	776,188	743,124.15	153	696,292	673,102.25
Ballast	11	58,555	42,318.84	2	3,069	2,209.68
Naval vessels:						
Ballast	1		1,200.00	2		4,702.50
Totals	229	1,093,239	973,138.80	216	1,031,280	1,016,075.13

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Steamers	196	958,146	$857,845.02	189	937,245	$922,903.88
Motor ships	26	131,299	110,617.53	22	93,885	88,317.50
Motor schooners	4	1,694	1,897.50	1	92	101.25
Launches				2	58	50.00
Barges	1	2,052	1,542.75			
Naval vessels	1		1,200.00	2		4,702.50
Motor yachts	1	48	36.00			
Totals	229	1,093,239	973,138.80	216	1,031,280	1,016,075.13

Of the 385 steamers, 283 were oil burning, 100 coal burning, and 2 burned either coal or oil.

NONCOMMERCIAL TRAFFIC.

The following statement shows the tonnage and amount of cargo carried by vessels transiting the Panama Canal free of tolls during the month of October, 1926. If tolls had been assessed against these vessels at commercial rates, the amount collected would have been approximately as indicated:

Class and nationality.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of transits.	Tonnage.	Tolls.	No. of transits.	Tonnage.	Tolls.
U. S. Naval vessels:						
Ammunition ships	[2] 1	1,540	$1,848.00			
Barges				[1] 1	250	$125.00
Cargo ships	[2] 1	1,456	1,747.20			
Cruisers	[1] 2	22,180	11,090.00	[1] 3	24,225	12,112.50
Launches	[2] 1	5	3.60	[2] 1	5	3.60
Mine sweepers	[1] 1	950	475.00	[1] 1	950	475.00
Submarines	[1] 2	1,040	520.00	[1] 2	1,812	906.00
Tank ships	[2] 2	11,515	10,371.44			
Transports	[2] 1	5,215	6,254.40			
Tugs				[1] 1	1,000	500.00
U. S. Army vessels:						
Launches	[2] 1	5	3.60			
Mine planters	[1] 1	1,208	604.00			
Transports	[2] 1	5,212	6,254.40	[2] 1	4,380	5,256.00
Tugs	[1] 1	1,000	500.00			
For repairs:						
Cable ships	[2] 1	675	486.00			
Totals	16		40,157.64	10		19,378.10

[1] Indicates displacement tonnage. [2] Indicates Panama Canal net tonnage.

The foregoing noncommercial vessels transiting the Canal during the month of October, 1926, carried cargo as follows:

	Tons.
Atlantic to Pacific	4,381
Pacific to Atlantic	64
Totals	4,445

The following statement shows the number of launches transiting the Canal during the month of October, 1926. These launches, although paying tolls, are excluded from statements concerning commercial traffic:

	Number.	Tonnage.	Tolls.
Atlantic to Pacific	16	134	$114.21
Pacific to Atlantic	3	12	10.35
Totals	19	146	124.56

STATEMENT OF TERMINAL OPERATIONS.

Details of the business transacted at the Atlantic and Pacific terminals of the Panama Canal during the month of October, 1926, are shown in the following tabulations:

		Cristobal.	Balboa.	Total.
Local cargo arriving	tons	66,645	56,750	123,395
Local cargo shipped	tons	7,333	290	7,623
Transit cargo arriving	tons	2,330,870	2,446,930	4,777,800
Transit cargo clearing	tons	2,340,056	2,445,590	4,785,646
Cargo received for transshipment	tons	21,022	314	21,336
Cargo transshipped	tons	29,929	1,398	31,327
Vessels supplied with bunker coal:				
Commercial, other than Panama Railroad		71	7	78
Coal supplied to above vessels:				
Commercial, other than Panama Railroad	tons	33,710	378	34,088
Coal issued, miscellaneous:				
Panama Canal departments	tons	136	5	141
U. S. Army, excepting vessels	tons	278	.....	278
Individuals and companies	tons	141	8	149
Panama Railroad	tons	12	.....	12
Transferred to Navy	tons	383	.....	383
Total issues and sales	tons	34,660	391	35,051
Coal on hand, November 1, 1926	tons	31,476	14	31,490
Coal on hand, October 1, 1926	tons	38,194	22	38,216
Coal received during the month	tons	27,942	.....	27,942
Coal received from Navy	tons	.....	383	383
Fuel oil issued from Panama Canal tanks:				
Panama Canal departments	bbls	6,638.91	22,206.77	28,845.68
Panama Railroad Company	bbls	697.92	.....	697.92
Army and Navy	bbls	582.00	727.58	1,309.58
Individuals and companies	bbls	.....	470.13	470.13
Total issues and sales	bbls	7,918.83	23,404.48	31,323.31
Fuel oil received during October, 1926	bbls	.....	.....	.....
Fuel oil on hand, November 1, 1926	bbls	59,419.06	60,426.32	119,845.38
Diesel oil sold during October, 1926	bbls	96.36	.....	96.36
Diesel oil on hand, November 1, 1926	bbls	30,828.01	419.62	31,247.63
Miscellaneous transfers	bbls	.....	717.39	717.39
Gasoline and kerosene pumped for The Panama Canal	bbls	1,938.60	3,574.04	5,512.64
Gasoline pumped for individuals and companies	bbls	.....	3,506.00	3,506.00
Oil pumped for individuals and companies	bbls	615,917.00	534,629.17	1,150,546.17
Total fuel oil, gasoline, and kerosene handled	bbls	625,870.79	565,831.08	1,191,701.87
Admeasurement of vessels:				
U. S. equivalent certificates issued		22	5	27
Measured for Panama Canal net tonnage		11	3	14
Remeasured for Panama Canal net tonnage		14	2	16
Panama Canal net tonnage corrected		6	1	7
U. S. equivalent tonnage corrected		11	3	14
Services for harbor equipment:				
Tugs, total operating hours		929	439¼	1,422¼
Launches, total operating hours		1,462½	1,509½	2,972
Scows, total operating days		.....	4½	4½
Revenue from tug service, pilotage, etc.:				
Tug revenue		$15,136.25	$13,116.65	$28,252.90
Pilotage		19,107.00	7,956.00	27,063.00
Seamen		10,576.00	40,106.00	20,592.00
Launch service		1,948.00	3,219.50	5,167.50
Wharfage		12,190.96	4,591.47	16,782.43
Ships measured		405.00	55.00	460.00
Miscellaneous cash collections		57.80	156.00	213.80
Ships repaired at Panama Canal shops:				
Commercial		40	11	51
U. S. Army and Navy		10	7	17
Panama Canal equipment		30	13	43
Vessels dry docked:				
Commercial		6	1	7
U. S. Army and Navy		3	2	5
Panama Canal equipment		1	3	4
Clearances issued		261	240	501
Bills of health issued		261	244	505

ALL VESSELS ENTERING AND CLEARING PORT.

	Port of Cristobal.			Port of Balboa.		
	No. of ships.	Registered gross tonnage.	Registered net tonnage.	No. of ships.	Registered gross tonnage.	Registered net tonnage.
Ships entering.						
All vessels, including those transiting Canal.	511	3,123,852	1,937,513	467	2,922,848	1,824,074
Vessels entering port but not transiting Canal.	73	329,448	190,709	11	60,220	39,911
Vessels transiting Canal and handling passengers and cargo at terminal ports	95	587,228	360,122	64	393,305	240,992
Ships clearing.						
All vessels, including those transiting Canal	519	3,196,058	1,988,728	469	2,918,648	1,819,551
Vessels clearing port but not transiting Canal.	75	339,144	198,604	14	57,789	36,921
Vessels transiting Canal and handling passengers and cargo at terminal ports	96	612,195	374,229	64	393,305	240,992

MOVEMENT OF PASSENGERS.

	At Cristobal.			At Balboa.		
	First-class.	Others.	Total.	First-class.	Others.	Total.
Disembarking:						
From Atlantic ports	1,328	954	2,282	58	274	332
From Pacific ports	98	90	188	132	113	245
Total disembarking	1,426	1,044	2,470	190	387	577
Embarking:						
For Atlantic ports	1,219	658	1,877	21	16	37
For Pacific ports	251	89	340	99	161	260
Total embarking	1,470	747	2,217	120	177	297
Remaining on board:						
From Atlantic to Pacific ports	1,693	3,093	4,786	1,747	3,352	5,099
From Pacific to Atlantic ports	654	754	1,408	759	720	1,479
From Atlantic to Atlantic ports	531	89	620	.....	.....	.....
From Pacific to Pacific ports	.....	.....	.....	42	329	371
Totals	2,878	3,936	6,814	2,548	4,401	6,949
Total arriving	4,304	4,980	9,284	2,738	4,788	7,526
Total departing	4,348	4,683	9,031	2,668	4,578	7,246

PASSENGER-CARRYING VESSELS THROUGH CANAL.

	Total commercial vessels.	Passenger-carrying vessels.	Per cent of total transits.
From Atlantic to Pacific	229	34	14.8
From Pacific to Atlantic	216	28	12.9
Totals	445	62	13.9

In addition to the above, 73 passenger-carrying vessels called at the port of Cristobal and 3 at Balboa, without transiting the Canal, making a total of 138 passenger-carrying vessels calling at Canal Zone ports during the month.

COMMISSARY SALES TO VESSELS.

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Cristobal to:						
Commercial vessels	$2,082.03	$10,650.81	$25,970.14	$174.01	$4,039.64	$42,916.63
Government vessels	211.19	3,455.16	16,784.64	.....	1,257.67	21,708.66
Panama Railroad vessels	14.85	63.21	2,092.00	929.67	454.04	3,553.77
Total sales, October, 1926	2,308.07	14,169.18	44,846.78	1,103.68	5,751.35	68,179.06
Total sales, October, 1925	1,810.43	8,678.31	20,703.79	1,120.14	3,534.63	35,847.30
Total sales, October, 1924	1,731.18	7,131.19	20,368.48	1,060.36	2,348.17	32,639.68

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Balboa to:						
Commercial vessels	$800.25	$6,419.82	$12,536.43	$278.49	$2,448.79	$22,483.78
Government vessels	371.35	3,373.01	10,694.48	308.62	305.83	15,053.29
Total sales, October, 1926	1,171.60	9,792.83	23,230.91	587.11	2,754.62	37,537.07
Total sales, October, 1925	1,109.42	7,848.01	20,081.79	810.88	1,992.16	31,842.26
Total sales, October, 1924	1,150.02	3,758.34	22,532.98	504.81	4,507.65	32,453.80

The aggregate sales to Government vessels during the month were $36,761.95; to Panama Railroad vessels, $3,553.77; and to other commercial vessels, $65,400.41; making the total sales to all vessels, $105,716.13.

LOCK OPERATIONS.

The following tabulation shows the number of lockages, and the number of vessels passing through the locks during the month of October, 1926, as compared with the corresponding month in 1925 and 1924, together with the consumption of water for lockages, maintenance, etc., in October, 1926, as compared with the preceding month and the corresponding month in 1925:

Locks.	Number of lockages.						Comparative grand totals.		
	Commercial.			Noncommercial.					
	North.	South.	Total.	North.	South.	Total.	Oct., 1926.	Oct., 1925.	Oct., 1924.
Gatun	210	215	425	7	9	16	441	421	389
Pedro Miguel	211	228	439	16	17	33	472	436	409
Miraflores	209	225	434	15	16	31	465	433	405
	Number of vessels put through locks.								
Gatun	233	248	481	21	26	47	528	513	433
Pedro Miguel	220	233	453	56	48	104	557	489	454
Miraflores	220	233	453	57	47	104	557	492	446

CLASSIFICATION OF NONCOMMERCIAL VESSELS.

	Gatun.	Pedro Miguel.	Miraflores.
Army and Navy vessels	25	20	21
Panama Canal equipment	22	84	83

The total consumption of water for lockages, maintenance, and loss in leakage was as follows:

	Gatun.	Pedro Miguel.	Miraflores.
	Cubic feet.	*Cubic feet.*	*Cubic feet.*
Lockages	1,743,700,000	1,472,520,000	1,445,460,000
Maintenance			
Leakage	30,000,000	9,000,000	20,000,000
Totals, October, 1926	1,773,700,000	1,481,520,000	1,465,460,000
Totals, September, 1926	1,721,810,000	1,449,370,000	1,465,090,000
Totals, October, 1925	1,715,900,000	1,420,490,000	1,401,440,000

METEOROLOGY AND HYDROGRAPHY.

In the following tabulation the meteorological and hydrographic conditions over the Canal Zone and vicinity during the month of October, 1926, are shown in comparative form:

Rainfall for month.	October.		October—Years of record.		
	1926.	1925.	Maximum.	Minimum.	Mean.
	Inches.	*Inches.*	*Inches.*	*Inches.*	*Inches.*
Pacific section	11.13	10.53	16.18	6.28	11.18
Central section	13.94	14.14	28.23	9.37	15.11
Atlantic section	14.68	17.54	37.85	7.92	16.23
Maximum recorded on any one day	6.28	5.85	[1] 12.25	.....	.....
Gatun Lake watershed	13.70	14.90	30.21	8.72	16.34
Chagres River watershed above Alhajuela	14.36	15.43	28.59	8.26	15.66
Maximum recorded for month at any one point	18.91	23.43	44.35	.....	.....
Minimum recorded for month at any one point	6.94	3.53	.....	1.62	.....
Hydrography.	*C.f.s.*	*C.f.s.*	*C.f.s.*	*C.f.s.*	*C.f.s.*
Discharge of Chagres River at Alhajuela	2,698	3,213	8,126	2,031	3,576
Maximum momentary discharge for the month	14,040	15,100	[2] 108,300	.....	.....
Gatun Lake watershed, total yield	9,432	10,576	27,260	7,868	12,531
Gatun Lake watershed, net yield	8,840	10,069	26,805	7,798	12,028
Draft on Gatun Lake for lockages and power	2,707	2,704	2,707	[3] 1,191	[3] 2,181

[1] 12.25 represents the maximum 24 hour rainfall recorded on the Canal Zone and vicinity since American occupation, recorded at Gatun on October 23 and 24, 1923. NOTE—Extreme outlying stations in the Republic of Panama not included in this report. [2] October 22, 1923. [3] Not including October, 1914.

SEISMOLOGY.

Seismic disturbances were recorded on the 1st, 3d, 19th, 25th, and 26th.

ELECTRICAL DIVISION.

In addition to the usual operating and maintenance work performed by this division, electrical installation and repair work was made on 28 vessels during the month. There were 351 work orders issued during October, as compared with 380 work orders issued during the month of September, 1926.

MECHANICAL DIVISION.

During the month miscellaneous repairs were made on 80 vessels at Cristobal and 31 at Balboa.

Repair work to the five vessels of the Peruvian whaling fleet was completed during the month and the ships returned to service. It is interesting to note that this was the largest number of vessels belonging to one concern under repairs at any one time since commercial vessel repair work was started.

MUNICIPAL ENGINEERING DIVISION.

The usual maintenance work on roads, streets, and walks, and to the water and sewer systems was performed during the month.

The amount of water pumped during the month totaled 646,469,600 gallons.

DREDGING DIVISION.

On the 6th of the month at 1.30 a. m., a slide occurred at East Culebra which influenced the Canal channel from station 1770 to 1793. Generally speaking, the toe of the slide reached the Canal axis but between stations 1774 and 1778 and stations 1791 and 1796 it met the west bank. The shoaling on the west side of the channel, however, was not enough to cause apprehension in so far as shipping was concerned except stations 1792 and 1793 near the center line where a drag survey disclosed a shoal of 37 feet. This shoal was removed prior to starting shipping on the morning of the 6th.

The new slide at East Culebra involves the entire area covered by the old slide with slight additions at the back center between stations 1780 and 1783, approximately three acres, and at the northeast corner of Gold Hill or the southwest end of the old slide involving an area of approximately five acres.

An average drop of 40 feet occurred along the back rim of the slide, varying from 20 feet at the extreme north end to 30 feet on the east side to 75 feet on the south end of the slide. By the end of the month this drop had increased almost uniformly to a depth of 10 feet over those mentioned above.

Conforming to previous behavior of the slide action in this area, there was a vertical drop at the back of the slide, along the fault line, accompanied by an upheaval in front and toward the Canal and these undulations were carried forward to the water front. By the morning of the 6th the greater portion of all these depressions were full of water caused by seepage and heavy torrential rains.

The general movement of this slide toward the Canal continued until the morning of the 8th, after which only a very slight settlement was observed. It might be of interest to note that the southern portion of this slide, adjacent to Gold Hill, had been

quiescent since 1917. The movement in this section, however, was possibly influenced by that in adjacent areas. This movement was toward the basin and not perpendicular to the Canal axis.

The slide is attributed to the unusually heavy torrential rains which we have experienced this year at the Continental Divide which thoroughly soaked up the entire superimposed mass resting on the submerged section and which also aggravated the already bad seepage conditions by an excessive accumulation of water in the undrained portions of Lirio Lagoon immediately behind the slide. The fault line around the entire rim of the slide, now sharply defined, indicates that the entire weight of this mass within the limits of the break has broken free and is resting on or supported by the submerged section. It has been impracticable to close peripheral cracks which have appeared since the last slide in this section by grading until drainage conditions behind are finished and no doubt this bad seepage condition has aided greatly in lubricating the fault plane while in its heavy, soggy condition. A slight upheaval in the center of the Canal was experienced between stations 1786 and 1793 on two different occasions after the East side of the prism had been brought to grade, making additional clean-up work necessary in this section as a consequence. This movement has been slight in comparison to the action experienced in previous slides, however, and much slower but serves to bear out the Goethals' theory that the fault plane of the East and West Culebra slides meet below the Canal prism grade line. It might also be repeated that at no time has there been a movement in the bottom that a simultaneous movement has not been noted in the bank.

It is estimated that 250,000 cubic yards of material were brought into the navigable channel and an additional 250,000 cubic yards were caught in the basin at the foot of the slide. It is further estimated that 1,250,000 cubic yards of material must be removed before full channel widths and depths are restored, together with normal depths in the basin area. Approximately 5,000,000 cubic yards of material were in motion.

Two dipper dredges, working on a 3-shift basis, have been working continuously on this slide since the 6th of October. By the end of the month a total of 401,000 cubic yards of material had been removed.

It will be observed in connection with this slide that the basin created at the base prevented a closure of the channel as it did once before.

A slide occurred at East Lirio at 3 a. m. on the 13th between stations 1719 and 1723, carrying 50,000 cubic yards into the Canal prism for a distance of 50 feet. One of the dipper dredges operating at East Culebra was at once dispatched to this slide, removing 15,550 cubic yards of material, which provided suitable depths and widths at this point for the time being.

The lower detached portions of the West Lirio slide showed a settlement and movement toward the Canal about the 15th of the month. The dredge *Paraiso* removed 17,000 cubic yards from this slide during the month.

There were several small bank breaks throughout the Cut. Only those were cleaned up, however, which proved to be a menace to navigation. There was no interference with Canal traffic during the month.

The total excavation during the month was 753,810 cubic yards as follows:

Cubic yards.	Classified as—		Character of work.	Station.	Equipment.
	Earth.	Rock.			
138,650	138,650	.....	Maintenance	Atlantic entrance, maintenance	*No. 83.*
10,350	1,450	8,900	Maintenance	Gaillard Cut, maintenance	*Cambona.*
203,100	40,600	162,500	Maintenance	Gaillard Cut, East Culebra slide	*Cambona.*
15,550	1,550	14,000	Maintenance	Gaillard Cut, East Lirio slide	*Cambona.*
7,550	550	7,000	Maintenance	Gaillard Cut, Cucaracha Village slide	*Paraiso.*
6,000	900	5,100	Maintenance	Gaillard Cut, Cucaracha signal station slide	*Paraiso.*
17,000	9,550	7,450	Maintenance	Gaillard Cut, West Lirio slide	*Paraiso.*
11,600	2,300	9,300	Maintenance	Gaillard Cut, maintenance	*Paraiso.*
197,900	30,800	167,100	Maintenance	Gaillard Cut, East Culebra slide	*Cascadas.*
14,950	1,450	13,500	Maintenance	Pacific entrance, Project No. 1	*Cascadas.*
3,500	3,500	.....	Maintenance	Pacific entrance, maintenance	*Cascadas.*
84,650	84,650	.....	Maintenance	Balboa inner harbor, Project No. 1	*No. 86.*
42,000	42,000	.....	Maintenance	Balboa inner harbor, maintenance	*No. 86.*
1,010	1,010	.....	Auxiliary	Dredging sand at Chame	*La Valley.*

OCCUPANTS OF QUARTERS.

The number of persons including men, women, and children, occupying Panama Canal and Panama Railroad quarters on October 31, 1926, totaled 20,406, of whom 7,011 were Americans, 189 Europeans, and 13,206 West Indians. The total number of persons in quarters on October 31, 1925, was 20,315.

WORKING FORCE.

The following tabulation shows the number of gold and silver employees as of October 20, 1926, together with a comparison of the working force for the preceding month, and for October, 1925:

	As of October 20, 1926.			Total employees.	
	Gold.	Silver.	Total.	September, 1926.	October, 1925.
Operation and Maintenance:					
Office	38	36	74	68	71
Electrical	160	196	356	345	358
Municipal Engineering	79	588	667	668	764
Lock Operation	213	637	850	839	799
Dredging	189	961	1,150	1,050	927
Mechanical	430	783	1,213	1,213	1,284
Marine	191	569	760	730	731
Fortifications	12	84	96	127	343
Totals	1,312	3,854	5,166	5,040	5,277
Supply Department:					
Quartermaster	175	1,462	1,637	1,666	1,405
Subsistence	7	89	96	100	104
Commissary	204	1,000	1,204	1,188	1,124
Cattle Industry	7	256	263	292	141
Hotel Washington	8	91	99	97	98
Transportation	51	205	256	256	215
Totals	452	3,103	3,555	3,599	3,087
Accounting Department	200	8	208	209	200
Health Department	231	770	1,001	996	930
Executive Department	480	278	758	717	789
Totals	911	1,056	1,967	1,922	1,919
Panama Railroad:					
Superintendent	46	207	253	250	253
Transportation	63	114	177	175	176
Receiving and Forwarding Agent	81	1,231	1,312	1,358	1,004
Coaling stations	49	271	320	351	244
Totals	239	1,823	2,062	2,134	1,677
Grand totals, October, 1926	2,914	9,836	12,750		
Grand totals, September, 1926	2,913	9,782		12,695	
Grand totals, October, 1925	2,878	9,082			11,960

VITAL STATISTICS.

A total of 202 deaths occurred during the month of October, 1926, among the population of the Canal Zone, and the cities of Panama and Colon, which is equivalent to an annual death rate of 18.95 per 1,000. The leading causes of death were: Pneumonia (broncho and lobar), 30; tuberculosis (various organs), 28; diarrhea and enteritis (acute and chronic), 19; nephritis (acute and chronic), 14; organic diseases of the heart, 12; cancer, 10; and apoplexy, 4. There were 32 deaths among nonresidents of the Isthmus; these are not included in the above statistics.

There were 284 live births reported during the month, and 15 stillbirths. Including stillbirths, this is equivalent to an annual birth rate of 28.05 per 1,000 population. Deaths among children under 1 year of age numbered 50, giving an infant mortality of 176.06 per 1,000 live births.

The total number of malaria cases reported from the Zone and the cities of Panama and Colon during October was 107; of these 9 were employees (2 white and 7 colored); 14 were members of employees' families (2 white and 12 colored); 35 were other civilian nonemployees; and 49 were Army and Navy personnel. Seven of the 23 employees and members of their families were probably infected outside our sanitated areas, as they gave a history of working, living, or having been in such areas at night previous to their becoming sick.

There was one death from malaria, a soldier who probably acquired his infection at Fort Sherman.

RECEIPTS AND SALES OF MATERIALS AND SUPPLIES.

The value of material ordered on United States requisitions and received on the Isthmus during the month totaled $253,955.39, of which $232,585.37 was for the Department of Operation and Maintenance and $21,370.02 for other Panama Canal departments.

Cash sales on the Isthmus from stock, fuel oil, scrap, and obsolete and second-hand material amounted to $39,883.85.

FINANCIAL STATEMENT.

The following statement shows in a condensed form the aggregate revenues and expenditures for the month of September, 1926, as compared with September, 1925, together with figures for the first three months of the current fiscal year as compared with the same period in the fiscal year, 1926.

It is impossible to submit the figures for the month of October at the time of writing this report, since all the charges, etc., involved in the accounting have not been completed.

	Month.		Fiscal year.	
	September, 1926.	September, 1925.	This year.	Last year.
Tolls	$2,019,673.82	$1,692,775.16	$6,055,495.67	$5,150,214.02
Other receipts	267,317.93	285,367.83	818,745.58	760,519.60
Total transit revenues	2,286,991.75	1,978,142.99	6,874,241.25	5,910,733.62
Total transit expenses	986,943.90	713,412.05	2,862,389.10	2,442,226.91
Net transit expenses	1,300,047.85	1,264,730.94	4,011,852.15	3,468,506.71
Three per cent capital charge	609,453.63	612,765.23	1,830,027.25	1,835,759.50
Total transit surplus	690,594.22	651,965.71	2,181,824.90	1,632,747.21
Business revenues	1,173,489.09	1,365,893.46	3,301,815.54	3,615,999.73
Business expenses	1,109,224.86	1,294,879.58	3,072,116.70	3,439,216.73
Net business revenues	64,264.23	71,013.88	229,698.84	176,783.00
Three per cent capital charge	56,760.97	52,938.26	182,923.74	173,917.33
Business surplus	7,503.26	18,075.62	46,775.10	2,865.67
Combined revenues	3,206,965.64	3,071,470.32	9,401,929.99	8,807,883.34
Combined expenses	1,842,653.56	1,735,725.50	5,160,379.00	5,162,593.63
Combined net revenues	1,364,312.08	1,335,744.82	4,241,550.99	3,645,289.71
Three per cent capital charge	666,214.60	665,703.49	2,012,950.99	2,009,676.83
Combined surplus	698,097.48	670,041.33	2,228,600.00	1,635,612.88

Respectfully,

M. L. WALKER,

Governor.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending November 20, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons	*Tons.*
Loriga	Pacific Steam Navigation Co	November 10	November 16	951	
Mayebashi Maru	Nippon Yusen Kaisha	November 13	November 14	204	
Dinteldijk	Holland-American Line	November 14	November 14	1	10
City of Panama	Panama Mail S. S. Co.	November 14	November 14		5
F. Q. Barstow	Standard Oil Co	November 14	November 14		16
Cassel	Kosmos S. S. Line	November 16	November 17	506	
La Placentia	Union Oil Co	November 16	November 18	10,309	6
Munwood	Munwood S. S. Corporation	November 17	November 18	135	
Colombia	Panama Mail S. S. Co.	November 19	November 19	23	3
President Adams	Dollar Line	November 19	November 19	5	

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines, and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending November 20, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
City of Panama	Panama Mail S. S. Co.		November 14		3,500
Eemdyk	Holland-American Line		November 14		33
Dinteldyk	Holland-American Line		November 14		89
Calamares	United Fruit Co.	November 14	November 14	89	38
Mayebashi Maru	Nippon Yusen Kaisha	November 14	November 14	142	(1)
Heredia	United Fruit Co	November 14	November 14	414	(1)
San Jose	United Fruit Co	November 14	November 15	½	523
Napoli	Italian Line	November 14	November 15	183	(3)
Isis	Kosmos Line	November 14	November 15	(2)	160
Ancon	Panama Railroad S. S. Line		November 15		1,577
Kinderdyk	Holland-American Line		November 16		77
Ebro	Pacific Steam Navigation Co	November 15	November 15	18	50
Linda S.	Surgeon Brothers	November 15	November 15	(2)	50
Cassel	Kosmos Line	November 15	November 16	53	173
Sachsenwald	Hamburg-American Line	November 15	November 16	177	(1)
London Merchant	Furness, Withy & Co	November 15	November 17	(2)	403
Pastores	United Fruit Co	November 15	November 17	255	126
Limon	United Fruit Co	November 16	November 16	75	426
Acajutla	Pacific Steam Navigation Co		November 17		1,166
Cid	Pacific Steam Navigation Co	November 16	November 17	226	126
Loriga	Pacific Steam Navigation Co	November 16	November 17	(2)	77
Canadian Constructor	Canadian Gov. Mer. Marine	November 17	November 18	134	(1)
Iowa	French Line	November 17	November 18	327	165
Darien	Leyland Line	November 17	November 18	395	(1)
Santa Teresa	Grace Line	November 17	November 18	(2)	4
Heredia	United Fruit Co	November 17	November 17	13	213
Sixaola	United Fruit Co	November 17	November 18	422	231
Turrialba	United Fruit Co	November 17	November 18	755	148
Tivives	United Fruit Co	November 17	November 18	(4)	4
Colombia	Panama Mail S. S. Co.	November 17	November 19	622	285
Honduras	United Fruit Co.	November 17	November 20	(2)	465
Favorita	Standard Fruit S. S. Co	November 18	November 19	231	8½
Lobos	Pacific Steam Navigation Co	November 18	November 19	46	288¼
Camden	United Fruit Co.	November 19	November 20	9,139	(1)
Puerto Rico	French Line	November 19	November 20	68	526
San Pablo	United Fruit Co.	November 20	November 20	47	8
Borga	Fred Olsen & Co	November 20		270	
Favorita	Standard Fruit S. S. Co	November 20	November 20	(2)	417
Legazpi	Spanish Line	November 15	November 16	290	263
Hans Leonhardt	Leonhardt & Blumberg	November 15	November 19	349	1,183

[1] No cargo laded. [2] No cargo discharged. [3] 728 pounds. 7 packages.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective October 7, 1926:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.26
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.26
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.48
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.15
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.14
Paint, zinc oxide, dry	Lb.	.09
Paint, zinc oxide, in oil	Lb.	.14
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.21
Waste, cotton, white	Lb.	.24

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, November 20, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Dinteldijk [1]	13	13 40	14	6 15	14	13 56	14	18 00	Dutch	Holland-American Line.	485 0	62 0	19 11	Rotterdam, Holland	Vancouver, B. C.	General	1,838	10,786	7,551
Dunendes	14	2 05	14	6 29	14	14.05	14	15 21	British	Pacific Steam Nav. Co	390 0	59 0	26 0	Liverpool, England	Chilean ports.	General	5,296	6,006	4,287
Agnes E. [1]	13	17 17	14	6 05	14	15.00	14	16 01	Panaman	Pacific Fruit Co	57 0	19.0	4 0	Cristobal, C. Z	Balboa, C. Z.	Ballast		57	29
Floridian	14	1 05	14	7 20	14	15.52	14	15 58	American	Amer.-Hawaiian Line	415.0	53 7	24 8	New York, N. Y.	Seattle Wash	General	6,096	7,273	5,105
Shreveport [1]	14	5 40	14	7 25	14	15.10	14	16 18	American	Cities Service Corp	435 0	56 0	19 6	Philadelphia, Pa	Los Angeles, Calif	Ballast		7,411	5,109
F. Q. Barstow [1]	14	7 30	14	8 18	14	15.46	14	17 44	American	Standard Oil Co	590 0	68.2	21.0	New York, N. Y.	Talara, Peru	Ballast		10,530	7,604
Havre Maru	14	7 58	14	8 45	14	16 27	14	17 35	Japanese	Osaka Shosen Kaisha.	407 2	59 8	25 1	New York, N. Y	Shanghai, China	General	5,830	6,539	4,773
Swifteagle [1]	14	11 30	14	11 30	14	18.44	14	19 58	American	C. D. Mallory & Co.	464 0	60 0	16 6	Fall River, Mass.	Los Angeles, Calif	Ballast		8,473	5,997
Silverpine [1]	13	8 50	14	12 15	14	19.28	14	20 44	British	Kerr Line	490 0	57 3	23 5	Galveston, Tex.	Yokohama, Japan..	Cotton	5,040	7,473	5,644
City of Panama [2]	7	20 50	14	13 19	14	20.12	14	23 57	Panaman	Panama Mail S. S. Co	296 0	45.0	21 0	Cristobal, C. Z	San Francisco, Cal.	General	3,503	3,848	2,606
U. S. N. Launch			14		14	10.51			American	U. S. Navy				Cristobal, C. Z	Gatun, C. Z	Ballast			
White Cap [1]			14		14	13.32			American	R. A. Day				Cristobal, C. Z.	Gatun, C. Z	Ballast		2	2
Napoli	14	6 05	15	6 08	15	12.35	15	13 45	Italian.	Italian Line	406 0	51 7	21 11	Genoa, Italy.	Valparaiso, Chile	General	742	6,740	4,280
Isis [4]	14	14 23	15	6 15	15	13 27	15	14 35	German	United-American Line.	376 2	51 8	23 8	Hamburg, Germany	Vancouver, B. C.	General	3,501	5,788	4,027
Point Lobos.	14	22 03	14	6 20	15	14 09	15	18 48	American	Swayne & Hoyt	289.0	44 0	21 0	New Orleans, La.	San Francisco, Cal.	General	3,323	2,899	1,946
Paulsboro [1]	14	23 45	15	7 20	15	15 05	15	16 05	American	Vacuum Oil Co	435.0	56 0	21 1	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,041	4,838
Tuscaloosa City	15	3 25	15	8 25	15	15 38	15	21 26	American	Norton, Lilly & Co	424 2	56 2	26 0	New York, N. Y.	San Diego, Calif.	General	8,120	7,611	5,450
Onondaga.	15	6 37	15	9 49	15	16 56	15	18.05	American	Ford Motor Co	251.0	43 6	19.0	New York, N. Y	Seattle, Wash	Auto parts.	2,384	2,656	1,632
Ripple	15	6 20	15	9 59	15	15 54	17	15 00	American	E. W. Wilson	123 0	23 9	10 0	Kingston, Jamaica.	Los Angeles, Calif.	Ballast		294	130
Canadian Spinner	14	23 20	15	10 45	15	17 48	15	19 15	British	Can. Gov. Mer. Marine	490 0	52 0	20.11	Montreal, Canada	Auckland, N. Z.	General	4,350	5,871	4,094
Swiftwind [1]	15	00 56	15	12 28	15	19 00	15	20 25	American	C. D. Mallory & Co.	464.0	60 2	21 0	New York, N. Y.	Los Angeles, Calif	Ballast		8,473	5,997
San Blas [3]			15	7 59	15	9.35			Panaman	San Blas Dev. Corp.				Cristobal, C. Z	Gatun, C. Z	Ballast		34	30
Kinderdijk	12	14 00	16	6 10	16	14.32	16	15 35	Dutch	Holland-American Line.	469 7	58 2	18 0	Antwerp, Belgium	Vancouver, B. C.	General, etc		8,515	6,060
Cassel	15	6 10	16	6 14	16	15.40	17	11 16	German	Kosmos Line	459 0	58 1	23 5	Hamburg, Germany	Buenaventura, Col.	General	4,853	7,744	5,293
Sachsenwald	15	6 15	16	7 15	16	16 27	16	17 30	German	Hamburg-American Line	385 0	49 7	22 0	Hamburg, Germany	Mazatlan, Mexico	General	3,897	4,931	3,610
Charles R. McCormick	15	21 20	16	8 30	16	17 18	16	18 18	American	Munson, McCor'k Line	491 4	53 3	25 6	Boston, Mass	San Francisco, Cal.	[6]	6,640	7,082	5,167
Port Melbourne	16	30 45	16	8 45	16	17 45	16	18 40	British	Cunard Line	501 0	63 0	27 4	London, England	Wellington, N. Z	General	7,305	11,861	9,065
Willhilo	16	3 40	16	9 40	16	18 34	16	19 30	American	Williams S. S. Line	435 0	57 6	19 6	Norfolk, Va	San Francisco, Cal.	General	4,650	7,984	5,882
Svealand [2]	16	6 10	16	10 09	16	19 31	17	2 33	Swedish	Ore S. S. Corp	561 1	72 2	23 0	Baltimore, Md	Cruz Grande, Chile	Ballast		15,425	4,421
Mitra [1]	16	12 45	16	12 55	16	20.15	17	99 50	British	Anglo-Saxon Pet. Co	496 5	51 0	19 0	London, England	Los Angeles, Calif	Ballast		5,971	4,108
Padilla	11	20 06	17	6 25	17	14 50	17	18 55	Colombian	Colombian S. S. Co	247 0	43 5	16 9	Cristobal, C. Z	Buenaventura, Col.	General	2,285	2,206	1,506
London Merchant	15	16 59	17	7 10	17	13.57	17	15 03	British	Furness, Withy & Co.	450 4	58 1	19 6	Manchester, Eng	Vancouver, B. C.	Bananas, general	1,933	8,416	5,914
Sciota			17	9 15	17	16 13			American	U. S. Navy	149 3	30 0		Cristobal, C. Z	Balboa, C. Z	Towing raft.			
Acajutla	13	18 33	17	12 45	17	19 19	17	20 29	British	Pacific Steam Nav. Co	215 0	33 0	16 6	Cristobal, C. Z	Champerico, Guat	General	1,170	1,273	706
Ontariolite [1]	17	12 35	17	13 20	17	20 12	18	00 18	British	Imperial Oil Co	470 0	63 0	24 0	Montreal, Canada	Los Angeles, Calif	Ballast		9,191	6,051
Ciricito			17		17	11 07			American	San Blas Dev. Corp.				Cristobal, C. Z	Gatun, C. Z	[8]		8	8

[1] Tanker. [2] Motor ship. [3] Motor schooner. [4] Launch. [5] Yacht. [6] Steel, pipes, and general. [7] Tug. [8] Towing barge *No. 21.*

Barge No. 21			17		17	11 07			American	San Blas Dev. Corp.					Cristobal, C. Z	Gatun, C. Z.	Ballast		16	16
Santa Teresa	17	17.30	18	6.10	18	13.04	18	17.00	American	Grace Line	360.2	51 6	23.11		New York, N. Y.	Talcahuano, Chile	General	2,558	5,726	4,086
F. J. Luckenbach	16	13.20	18	6.10	18	13.52	18	14.40	American	Luckenbach Line	446.0	51.0	27.6		Boston, Mass.	Seattle, Wash	General	8,576	8,508	6,179
City of Bedford	17	2.08	18	7.20	18	14.52	18	16.05	British	Ellerman & Bucknall	430.0	55.0	27.7		Baltimore, Md	Shanghai, China	General	8,434	8,025	5,846
Finn [2]	17	20.25	18	8.20	18	15.37	18	16.45	Swedish	General S. S. Co.	271 0	41.0	18.3		New York, N. Y.	Vancouver, B. C.	General	2,538	2,472	1,513
El Panquiaco [9]	18	8.20	18	8.20	18	14.49	19	8.38	Panaman	Panaman Government	125.0	23.5	14.7		Colon, R. P.	Balboa, C. Z	Ballast		288	101
Queen Olga	18	00.24	18	9.40	18	17.11	18	18.10	British	Thomas Dunlop & Son	490.0	52.0	25.0		Galveston, Tex.	Melbourne, Aust	Sulphur	6,600	5,792	4,067
W. M. Burton [1]	18	11.10	18	11.15	18	18.05	18	19.16	American	Atlantic Refining Co.	435.0	56.0	21.0		Philadelphia, Pa.	Los Angeles, Calif	Ballast		7,388	5,424
W. S. Rheem [1]	18	13.15	18	13.22	18	19.54	18	24.00	American	Standard Oil Co	500.0	68 2	20.0		New York, N. Y.	Los Angeles, Calif	Ballast		11,224	7,895
Colombia	18	6.05	19	6.05	19	14.12	19	22.00	American	Panama Mail S. S. Co.	380.0	48.7	24.3		New York, N. Y.	San Francisco, Cal.	General, coffee	2,572	6,015	4,281
President Adams	19	5.40	19	7.25	19	14.44	20	00.24	American	Dollar Line	502 1	62 2	28 6		New York, N. Y.	San Francisco, Cal.	General	4,366	12,057	8,457
Lobos	18	8.25	19	8.13	19	15.36	19	20.37	British	Pacific Steam Nav. Co	404 7	54 2	15.3		Glasgow, England	Falkland Island	General	1,842	7,151	4,756
Hans Leonhardt [2]	15	19.00	19	12.20	19	19.12	19	20.15	German	Colombian Transp. Co.	230.8	36.0	13.9		Cristobal, C. Z	Buenaventura, Col.	General	1,128	1,568	909
Jacob Luckenbach	18	17 57	19	13.65	19	20 15	19	21.10	American	Luckenbach Line	414 5	53.7	26 3		Galveston, Tex.	Los Angeles, Calif	General	4,730	7,315	5,270
Weirbank [2]	19	22 20	20	6.35	20	14.00	20	15.15	British	Bank Line, Ltd	420 0	53.9	25.0		New York, N. Y	Manila, P. I.	Case oil, general.	7,213	7,091	5,018
Gen. Wm. M. Graham [10]			20	7.30	20	14.05			American	U. S. Army	156.0	32 0			Cristobal, C. Z	Balboa, C. Z	Ballast			
Honduras	18	9.55	20	10.30	20	19.25	20	19.25	Norwegian.	United Fruit Co	235.0	33.6	14.6		Mobile, Ala	Gatun, C. Z. [11]	Bananas	297	1,270	716
Sabine Sun [1]	20	8.35	20	11.15	20	17.32	20	18.40	American	Sun Oil Co	429.0	59.0	19 8		Chester, Pa	Los Angeles, Calif.	Ballast		7,621	5,277

[1] Tanker. [9] Transport. [10] Mine planter. [11] And return to Mobile, Ala.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Mayebashi Maru	13	11.25	14	6.40	14	13.40	14	22 05	Japanese.	Nippon Yusen Kaisha	445.0	58.0	16.6		Manila, P. I	Boston, Mass.	General	4,201	8,012	5,749
George W. Barnes [1]	14	6.15	14	7.10	14	15.25	14	15.25	American	Huasteca Pet. Co	416.8	56.1	26.6		Los Angeles, Calif.	Baltimore, Md	Gasoline	9,100	6,763	4,695
Emilie L. D.	14	8.25	14	9.04	14	16.50	14	17.40	French	Louis Dreyfus & Co.	401.0	52.0	23.8		Vancouver, B. C.	St. Thomas, V. I [14]	Wheat	7,075	5,706	4,000
Legazpi	14	7 00	14	11.31	14	18.40	16	1.00	Spanish.	Spanish Line	375 6	47.0	18.9		Valparaiso, Chile	Barcelona, Spain	General	1,659	4,506	2,827
Portsaid Maru	14	16.00	15	6.09	15	13.40	15	16.00	Japanese.	Kokusai Kisen Kaisha.	385.0	51.0	26.0		Portland, Oreg	Europe	Wheat	7,233	5,914	4,399
Storviken	14	17.15	15	7 10	15	14.45	15	14.45	Norwegian.	Haalson J. Wallem.	380.0	53 2	23 0		Vancouver, B. C.	New York, N. Y.	Lumber	5,900	5,342	3,826
Ebro	15	3.00	15	8.24	15	15.35	15	20.50	British	Pacific Steam Nav. Co	450.35	57 86	24.10		Talcahuano, Chile.	New York, N. Y.	Copper, nitrate.	3,725	9,291	6,301
Edda	15	4 30	15	9 29	15	16.55	15	22.05	Italian	Nav. Libera-Triestina	405.0	53 9	19.6		Vancouver, B. C.	London, England	Lead, apples	3,700	6,206	4,421
Elsiston	15	2.20	15	10.06	15	18.55	15	20.40	British	W. S. Miller	400.0	50 0	24.6		Makatea, Tuamotu.	Helsingborg, Swed	Phosphates	6,900	5,721	4,305
Hans Leonhardt	15	9.50	15	10 45	15	19.00	19	12.20	German	Colombian Transp. Co	244.0	36.0	13.0		Buenaventura, Col.	Cristobal, C. Z	Coffee, hides	349	1,868	909
Motor Sail [12]			15		15				American	U. S. Navy					Balboa, C. Z.	Cristobal, C. Z				
Cities Service Petrol [1]	16	1.00	16	6.13	16	14.00	16	14.00	American	Cities Service Co.	468 3	62 7	29.6		Los Angeles, Calif.	Boston, Mass.	([13])	13,960	9,802	7,292
K. R. Kingsbury [1]	15	14.10	16	7.15	16	15.30	16	15.30	American	Standard Oil Co. of Calif.	440.0	58 2	30 0		Los Angeles, Calif	New York, N. Y.	Gas oil	11,000	9,033	5,938
Gen. Wm. M. Graham [10]			16	7.24	16	15.25	20	7.30	American	U. S. Army	160.2	32.1			Balboa, C. Z	Cristobal, C. Z				
Cerro Azul [1]	15	20.15	16	8.05	16	16.38	16	16 28	American	Huasteca Petroleum Co.	480 5	66 0	28 1		Los Angeles, Calif	Providence, R. I.	Fuel oil	12,847	9,398	6,453
Edgar Luckenbach	16	2.00	16	8.51	16	16.40	16	16.40	American	Luckenbach Line	425 0	57 3	30 0		Portland, Oreg	Mobile, Ala	General	7,834	8,568	6,648

[1] Tanker. [12] Launch. [13] Crude oil and gasoline tops. [14] For orders.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Gothiestar	15	22 30	16	9 26	16	17 30	16	17 30	British	Blue Star Line	420 5	54 7	24 6	Vancouver, B. C.	Rotterdam, Holland	General	5,577	7,521	5,852
Cid	16	6 30	16	9 41	16	18 00	17	1 40	British	Pacific Steam Nav. Co	264 8	41 2	15 6	Salaverry, Peru.	New York, N. Y.	General	611	2,746	1,626
Mojave [1]	16	7 20	16	10 12	16	18 45	16	18 45	American	Standard Transp. Co.	435 0	56 0	27 0	Los Angeles, Calif	New York, N. Y.	Gas oil	9,000	7,434	5,066
Annam [15]	16	8 30	16	10 38	16	19 05	16	20 35	Danish	East Asiatic Co.	410 0	55 2	28 6	San Francisco, Cal.	Copenhagen, Den'k	([18])	9,621	7,067	5,286
Clan MacWhirter	16	9 00	16	11 09	16	20 35	17	6 10	British	Cayzer, Irvine & Co.	424 4	55 85	24 9	Pagoumene [20]	Europe	([19])	8,400	7,094	5,331
Loriga [15]	10	11 45	16	11 40	16	20 40	17	11 10	British	Pacific Steam Nav. Co	406 05	54 2	26 0	Punta Arenas, Chile.	Liverpool, England	General	6,765	7,331	5,091
Harry Luckenbach	16	12 15	16	12 57	16	21 05	16	21 05	American	Luckenbach Line	448 9	60 2	31 0	Seattle, Wash	Boston, Mass	General	10,000	9,262	6,853
Actor	16	2 00	16	13 28	16	22 10	16	22 10	British	T. & J. Harrison	410 0	52 25	26 0	Vancouver, B. C.	Liverpool, England	General	7,280	6,666	4,707
Aden Maru	16	13 15	16	14 05	16	23 40	17	19 50	Japanese.	Suziki & Co	385 0	51 0	26 0	Prince Rupert, B.C	Fayal, Azores	Wheat	7,237	6,203	4,672
Canadian Constructor	16	15 55	17	6 17	17	13 20	18	9 00	British	Can. Gov. Mer. Marine	430 0	56 22	16 0	Melbourne, Aus	Halifax, N. S.	General	1,006	7,680	5,494
Sidney M. Hauptman.	17	4 00	17	7 20	17	14 55	17	14 55	American	Munson, McCor'k Line.	401 45	53 2	26 7	Tacoma, Wash	Boston, Mass	Lumber, copper.	7,500	7,082	5,167
Sagadahoc	16	23 00	17	8 05	17	16 15	17	16 15	American	Argonaut S. S. Co	435 0	54 0	27 7	Everett, Wash.	Baltimore, Md	Lumber	7,824	7,340	5,342
Ludwigshafen	17	6 20	17	9 09	17	17 40	17	22 40	German	Roland Line	408 0	54 0	27 9	Coquimbo, Chile	New York, N. Y.	Ore in bulk	8,137	6,600	4,622
Iowa	17	6 45	17	10 02	17	18 45	18	18 45	French	French Line	450 0	53 3	28 0	Vancouver, B. C.	Havre, France.	General	9,057	7,469	5,020
George Allen	17	7 30	17	10 35	17	18 38	17	18 38	American	Garland S. S. Corp.	385 0	51 0	25 11	Aberdeen, Wash	New York, N. Y.	Lumber	6,234	6,224	4,465
Emidio [1]	17	22 45	18	6 05	18	14 15	18	14 15	American	General Petroleum Co.	435 0	56 2	28 1	Los Angeles, Calif	Baltimore, Md	Gasoline	8,884	7,433	5,058
Ionic	17	22 50	18	7 18	18	15 15	18	18 15	British	White Star Line	500 3	63 3	26 4	Auckland, N. Z.	London, England	General	6,000	12,872	9,577
Justin	17	15 40	18	8 26	18	15 45	18	16 45	German	Roland Line	450 0	58 2	26 0	Vancouver, B. C.	Hamburg, Germany	([21])	7,746	7,933	5,799
Cuteombe	17	19 30	18	9 19	18	18 00	19	16 10	British	Maritime Ship. Tr. Co	410 0	52 6	23 7	Portland, Oreg	Cork, Ireland	Wheat	7,140	5,822	4,103
Yeifuku Maru.	17	21 42	18	9 57	18	18 00	18	20 35	Japanese.	Kokusai Kisen Kaisha.	385 0	51 0	25 4	Prince Rupert, B.C.	Europe	Wheat	7,184	5,933	4,549
Kentuckian	18	5 00	18	11 06	18	18 23	18	18 23	American	Amer.-Hawaiian Line	414 5	53 7	27 3	Portland, Oreg	Boston, Mass.	General	7,275	7,049	4,941
Munwood.	17	14 00	18	12 18	18	19 25	18	23 40	American	Munson S. S. Line	345 0	48 0	21 0	Aberdeen, Wash	New York, N. Y.	Lumber, general.	2,848	3,794	2,486
Bethore	18	18 25	19	5 59	19	15 25	19	15 25	American	Ore S. S. Corp.	550 3	72 2	34 0	Cruz Grande, Chile	Baltimore, Md	Iron ore	19,800	15,496	4,354
Sunbeam [1]	19	3 50	19	7 14	19	15 45	19	15 45	American	Sun Oil Co	429 3	59 2	25 9	Los Angeles, Calif	Philadelphia, Pa.	Gasoline	9,769	7,709	5,481
Derblay	18	10 40	19	8 12	19	16 55	19	16 55	American	Alaska S. S. Co	320 0	46 0	20 10	Everett, Wash.	Boston, Mass	Lumber	5,000	3,803	2,319
West Keats	19	3 55	19	9 18	19	17 40	19	17 40	American	Calif. & East'n S.S. Co.	410 5	54 3	22 0	Tacoma, Wash	Philadelphia, Pa.	Lumber	5,774	6,522	4,900
Kellerwald	19	6 00	19	10 10	19	18 10	19	18 10	German	Hamburg-American Line	398 4	54 0	25 7	Valparaiso, Chile	Hamburg, Germany	General	7,396	6,545	4,483
Quail [16]	19	11 19	19	11 49	19	19 25			American	U. S. Navy	187 10	35 6		Panama Bay, R. P.	Cristobal, C. Z				
S-42 [17]	19	11 25	19	11 54	19	19 25			American	U. S. Navy				Panama Bay, R. P.	Cristobal, C. Z				
S-43 [17]	19	11 25	19	11 54	19	19 25			American	U. S. Navy				Panama Bay, R. P.	Cristobal, C. Z				
S-44 [17]	19	11 30	19	12 00	19	19 30			American	U. S. Navy				Panama Bay, R. P.	Cristobal, C. Z.				
S-47 [17]	19	11 30	19	12 00	19	19 30			American	U. S. Navy				Panama Bay, R. P.	Cristobal, C. Z				
S-45 [17]	19	12 07	19	12 34	19	20 45			American	U. S. Navy				Panama Bay, R. P.	Cristobal, C. Z				
S-46 [17]	19	12 07	19	12 34	19	20 45			American	U. S. Navy				Panama Bay, R. P.	Cristobal, C. Z				
Omphale.	19	17 50	20	6 10	20	14 15	20	17 00	French	Cie. Aux. de Navigation	425 0	57 4	25 6	San Francisco, Cal.	Rotterdam, Holland	Gasoline	8,012	6,663	4,427

[1] Tanker. [15] Motor ship. [16] Auxiliary mine sweeper. [17] Submarine. [18] Wheat, barley, lumber, and canned goods. [19] Chrome, ore, and copra. [20] New Caledonia. [21] Wheat, copper, and fruit.

Agnes E. [15 22]	19	22.30	20	6.13	20					Panaman...	Paicfic Fruit Co.	57.8	19.7	8.0	Panama, R. P.	Gatun, C. Z.	Bananas	10	57	28
Invergorden [1]	19	23.00	20	7.20	20	14.55	20	17.46		British	Brit.-Mex. Pet. Co.	412.9	55.65	29.0	Los Angeles, Calif.	Southampton, Eng.	Fuel oil	8,774	7,116	4,433
Chilcop	20	7.40	20	8.32	20	16.15	29	19.15		British	Chile S. S. Co., N. Y.	411.5	54.1	24.0	Caleta Colosa, Chl.	New York, N. Y.	Copper, nitrate	7,897	6,634	5,008
Tilthorn	20	9.30	20	10.19	20	18.30	20	19.55		Norwegian	Dupont & Co.	420.2	53.3	28.0	Iquique, Chile	Delaware River	Nitrates	10,245	6,591	4,703
Clydebank [15]	20	6.40	20	11.16	20	18.10	20	18.10		British	Andrew Weir & Co.	420.0	53.9	26.6	Portland, Oreg.	Naples, Italy	Wheat	8,076	7,101	5,018
Independence	20	14.00	29	14.48	20	21.20	20	21.20		American	Amer.-Pioneer Line	440.0	56.0	21.6	Genson, Korea	New York, N. Y.	Graphite	820	8,290	6,063

[1] Tanker. [22] Commercial launch. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
November 14	Heredia	United Fruit Co.	New Orleans via Habana	November 14	Calamares	United Fruit Co.	New York via Habana.
November 14	Calamares	United Fruit Co	Port Limon, Costa Rica	November 14	Heredia	United Fruit Co.	Port Limon, Costa Rica.
November 14	J. K. Paulding [23]	U. S. Navy	Bluefields, Nicaragua.	November 14	Caberia [24]	A. Tagaropulos	Colon, Rep. of Panama.
November 14	San Jose	United Fruit Co.	New York via wayports.	November 15	San Jose	United Fruit Co	Colombian ports.
November 14	Caberia [24]	A. Tagaropulos	Colon, Rep. of Panama.	November 15	Ancon	Panama Railroad S. S. Line	New York via Haiti.
November 15	Pastores	United Fruit Co	New York via Habana.	November 15	J. K. Paulding [23]	U. S. Navy	Bluefields, Nicaragua.
November 15	Linda S. [24]	Surgeon Brothers	Colon, Rep. of Panama.	November 16	Linda S. [24]	Surgeon Brothers	Bluefields, Nicaragua.
November 15	Convert [25]	A. Ferrari	Colon, Rep. of Panama.	November 15	Convert [25]	A. Ferrari	Colon, Rep. of Panama.
November 16	Limon	United Fruit Co.	New York via wayports.	November 16	Limon	United Fruit Co	New York, N. Y.
November 17	Heredia	United Fruit Co	Port Limon, Costa Rica.	November 17	Heredia	United Fruit Co	New Orleans via Habana.
November 17	Turrialba	United Fruit Co.	New Orleans via Habana.	November 17	Pastores	United Fruit Co	Port Limon, Costa Rica.
November 17	Bayano	Elders & Fyffes, Ltd	Avonmouth via wayports.	November 17	Inapaquina [24]	United Fruit Co	Colon, Rep. of Panama.
November 17	Darien	Leyland Line	Liverpool via wayports.	November 17	Terror [25]	A. Tagaropulos	Colon, Rep. of Panama.
November 17	Sixaola	United Fruit Co.	New York via Kingston.	November 17	Willinnis [25]	M. Cosaraquis	Colon, Rep. of Panama.
November 17	Tivives	United Fruit Co	Colombian ports.	November 18	Bayano	Elders & Fyffes, Ltd	Santa Marta, Colombia.
November 17	Inapaquina [24]	United Fruit Co	Colon, Rep. of Panama.	November 18	Sixaola	United Fruit Co	Colombian ports.
November 17	Terror [25]	A. Tagaropulos	Colon, Rep. of Panama.	November 18	Tivives	United Fruit Co.	New York via Kingston.
November 17	Willinnis [25]	M. Cosaraquis	Colon, Rep. of Panama.	November 18	Darien	Leyland Line	Galveston, Tex.
November 18	Favorita	Standard Fruit S. S. Co	New Orleans, La.	November 18	Turrialba	United Fruit Co	New Orleans and wayports
November 19	Camden	United Fruit Co	Baytown, Tex.	November 19	Favorita	Standard Fruit S. S. Co	San Blas, Rep. of Panama
November 19	Puerto Rico	French Line	St. Nazaire via wayports.	November 20	San Pablo	United Fruit Co	Boston via Kingston.
November 20	Favorita	Standard Fruit S. S. Co.	San Blas coast.	November 20	Favorita	Standard Fruit S. S. Co	New Orleans, La.
November 20	San Pablo	United Fruit Co.	Boston via wayports.	November 20	Camden	United Fruit Co	Mobile, Ala.

[23] Destroyer. [24] Motor schooner. [25] Schooner.

PORT OF BALBOA.

November 16	La Placentia	Union Oil Co. of California	Los Angeles, Calif.	November 18	La Placentia	Union Oil Co. of California	Los Angeles, Colif.
November 15	Sorite [26 27]	Mr. Kimball	Panama Bay, R. P.	November 16	Sorite [26 27]	Mr. Kimball	Panama Bay, R. P.

[26] Motor ship. [27] Launch. * Other than ships passing through the Canal.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity..... $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity..... .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., December 1, 1926. No. 17.

Canal Traffic During November, 1926.

During the month of November, 1926, 428 commercial vessels and 19 small launches transited the Canal. Tolls on the commercial vessels aggregated $1,889,001.11, and on the launches $102.48, or a total tolls collection of $1,889,103.59.

The daily average number of transits of seagoing vessels for the month was 14.26, and the daily average tolls collection $62,966.70. The average amount of tolls paid by each of the commercial transits was $4,413.55, as compared with $4,470.14 for the month of October.

The daily average number of transits and tolls collections for the past month were the lowest since June of this year. The coal strike in Great Britain has had considerable bearing on the decrease in Canal traffic recently. Many vessels that would otherwise be engaged in transporting commodities from the Pacific coast to United States and European ports, have been diverted to the transporting of coal.

In the following tabulation the number of commercial transits and the amount of tolls collected are shown for the first 11 months of the current calendar year, with the daily average of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
January	479	$2,103,368.29	15.45	$67,850.59
February	424	1,835,226.47	15.14	65,543.80
March	506	2,203,212.20	16.32	71,168.13
April	425	1,917,457.11	14.16	63,911.90
May	470	2,056,965.55	15.16	66,353.72
June	419	1,852,670.66	13.96	61,755.68
July	456	1,980,719.67	14.71	63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
Totals, first 11 months, 1926	4,962	21,905,503.32	14.85	65,585.34
Totals, first 11 months, 1925	4,312	19,268,863.17	12.91	57,691.20
Totals, first 11 months, 1924	4,486	20,915,921.30	13.39	62,435.59

Dollar Line Service Around the World.

According to published statements, the passenger steamer *President Pierce* will be added to the schedule of the around-the-world service of the Dollar Line, effective with the sailing from San Francisco on January 1, 1927. With the addition of the *President Pierce* the Dollar Line's around-the-world fleet will consist of 8 steamers, and afford a sailing from New York every other Thursday throughout the year.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, November 27, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Borga [2]	20	16 30	21	6 10	21	14 31	22	1 10	Norwegian.	Fred Olsen & Co	362 4	51.4	22 6	Antwerp, Belgium.	Los Angeles, Calif	General	5,130	5,242	3,706
Dakotan	20	21 30	21	6 25	21	14 40	21	15 45	American.	Amer.-Hawaiian Line	407.7	53.4	22.7	New York, N. Y.	San Francisco, Cal.	General	6,147	7,156	5,058
William H. Doheny [2]	20	22 00	21	7 15	21	15 17	21	16 45	American	Pan.-Amer. Pet.&Tr.Co	435.0	56 0	25 10	Norfolk, Va	Los Angeles, Calif	Ballast		7,406	5,111
Port Napier.	20	22 55	21	12 05	21	19 20	21	20 30	British	Com'lth. & Dom. Line.	490.2	61.0	30 3	London, England	Brisbane, Australia	General	6,693	10,978	8,115
Mataroa	21	12 15	21	12 55	21	19 25	22	13 40	British	Shaw, Savill & Albion.	590 4	63.0	26.0	London, England	Wellington, N. Z	General	5,800	13,590	9,233
Myrtle	21	13 0	21	13 15	21	21 20	21	22 40	American	Columbia-Pac. Ship. Co	410 5	54.2	19.6	Newport News, Va.	Portland, Oreg.	General	3,770	6,755	4,895
Tatsuno Maru	21	15 10	22	6 15	22	13 35	22	14 50	Japanese.	Nippon Yusen Kaisha.	445 0	58 0	25 10	New York, N. Y	Yokohama, Japan	General	9,443	8,015	5,716
Edenton	22	7 15	22	7 30	22	15 06	23	16 00	American	American-Pioneer Line.	409.6	54 2	25.0	Tampa, Fla	Osaka, Japan.	General	7,099	7,478	5,906
Cambrai [1]	22	8 35	22	8 50	22	15 25	23	09 57	American.	U. S. Army.	436 9	58 2	23.0	Brooklyn, N. Y.	San Francisco, Cal.	General	697		
West Nilus.	22	9 22	22	9 40	22	16 57	22	18 05	American	McCormick S. S. Co.	410 5	54.3	24 0	Buenos Aires, Arg.	Seattle, Wash	General	6,045	6,581	4,989
Arkansas	22	3 55	22	11 00	22	17 40	22	18 40	French	French Line	448.5	53.2	17.2	Havre, France.	Vancouver, B. C.	General	611	7,678	5,563
Perene	21	00 35	22	12 25	22	21 12	22	22.48	Peruvian.	Peruvian Line	284 1	39.1	19.6	New York, N. Y.	Callao, Peru	General, coal.	2,434	2,168	1,529
Eno [1]			22		22	14 41			American.	United Fruit Co.				Cristobal, C. Z	Gatun, C. Z	(6)		6	6
Barge No. 6.			22		22	14 41			American.	United Fruit Co				Cristobal, C. Z	Gatun, C. Z.	Ballast		17	17
Manila Maru.	21	21 30	23	6 20	23	12 47	23	14.05	Japanese	Osaka Shosen Kaisha.	475.0	61 0	20 7	New Orleans, La	Kobe, Japan.	General	3,808	10,075	7,292
Zuiderzee [4]	21	8 50	23	7 10	23	16 39	23	18 45	Dutch.	L. Smit	109.8	20.9	13 0	Rotterdam, Holland	Talara, Peru.	Towing barges		183	31
Barges I-1 & I-2	21	8 50	23	7 10	23	16 39	23	18.45	Dutch.	L. Smit				Rotterdam, Holland	Talara, Peru	Ballast		266	266
City of Bagdad.	22	13 45	23	7.10	23	14 49	23	14.05	British	Ellerman & Bucknall.	470.3	58.0	24 01	New York, N. Y.	Brisbane, Australia	General	6,282½	8,497	5,984
Pacific.	22	23 45	23	8 15	23	16.33	24	00 57	American	Argonaut S. S. Co	399.7	56.7	24.8	New York, N. Y.	Seattle, Wash	General	7,267	6,517	4,723
Trematon.	23	6 53	23	9 45	23	17 24	23	18 30	British	Hain S. S. Co.	400 0	52 3	21 0	Newport News, Va.	Sydney, Australia.	General	7,409	5,778	4,033
Trevorian.	23	10 15	23	11.00	23	18 15	23	19 34	British	Hain S. S. Co	400.0	51 0	21 0	New York, N. Y.	Auckland, N. Z.	General	7,385	6,022	4,434
Francis E. Powell [1]	23	9 05	23	12 05	23	19 00	23	20.00	American.	Atlantic Refining Co.	431.0	59 2	22 09	London, England.	Los Angeles, Calif	Ballast		7,860	5,101
Patrick Henry.	23	13 00	23	13 15	23	20 15	24	20.50	American	American-Pioneer Line.	439 6	60.0	24 5	Houston, Tex	Shanghai, China.	General, gasoline	7,654	8,987	6,612
Sunbeam [4]			23		23	11 06			American	American Banana Corp.				Cristobal, C. Z	Gatun, C. Z	(7)		1	1
Barge No. 5.			23		23	11.06			American.	American Banana Corp.				Cristobal, C. Z	Gatun, C. Z.	Ballast		15	15
Lebore	22	19 00	24	6 15	24	14.05	24	15.15	American	Ore S. S. Corp.	549.0	72.0	23.6	Norfolk, Va.	Cruz Grande, Chile	Ballast		14,325	4,635
Greylock	23	16 53	24	7 15	24	15 40	24	17 00	American	Isthmian S. S. Lines	430.4	54 3	29 0	New York, N. Y.	Vancouver, B. C.	Steel, general.	9,280	7,946	5,698
Cerro Ebano [4].	23	19 38	24	8 30	24	16.25	24	17 40	American.	Huasteca Petroleum Co.	480.0	66 0	22 0	Providence, R. I.	Los Angeles Calif.	Ballast		9,398	6,453
Samuel Q. Brown [1]	24	00 20	24	9 35	24	17 33	24	19 35	American.	Tidewater Oil Co	424.4	58 2	22 0	New York, N. Y.	Los Angeles, Calif	Ballast		7,333	5,183
Venice Maru	24	6 05	24	11 0.	24	18 24	24	19 35	Japanese.	Kerr S. S. Co	405.0	53 0	25 0	New York, N. Y.	Yokohama, Japan	(8)	6,095	7,025	5,025
William Penn [4].	24	11 25	24	11 55	24	19.15	24	20.20	American	American-Pioneer Line	439.6	60.0	21 8	New York, N. Y	Shanghai, China.	(9)	6,830	9,019	6,226
Mexican	24	12 05	24	13 45	24	20 4.	25	1 09	American	Amer.-Hawaiian Line	472 3	57.2	22 8	Boston, Mass.	Tacoma, Wash	General	6,759	9,258	6,874
J. L. Luckenbach	24	8 30	25	6 0.	25	12 5.	25	13 45	American	Luckenbach Line	448 9	69 2	26 9	Boston, Mass	Seattle, Wash	General.	8,100	9,294	6,861
Japanese Prince [2]	24	4 50	25	7 05	25	13 22	25	14.25	British	Prince Line, Ltd.	441.6	60 0	23 1	New York, N. Y.	Manila, P. I	General, tobacco.	6,028	9,240	6,151

[1] Tanker. [2] Motor ship. [3] Transport. [4] Launch. [5] Tug. [6] Towing barge *No. 6*. [7] Towing barge *No. 5*. [8] Sulphur, ammonia, cotton, rosin, tobacco, machinery, and general. [9] Case oil, tobacco, and general.

Cubore [2]	25	6.25	25	7.20	25	14.09	25	19.10	American	Ore S. S. Corp.	450.7	57.0	19.0	Baltimore, Md.	Cruz Grande, Chile	Ballast		7,956	4,866
Semiramis [1]	25	6.45	25	8.10	25	14.56	25	18.30	Dutch	Anglo-Saxon Pet. Co.	412.0	53.3	21.11	Portishead, England	Los Angeles, Calif.	Ballast		6,298	4,317
Algonquin [1]	25	8.03	25	8.25	25	15.43	25	23.45	American	Standard Transp. Co.	435.0	56.0	21.5	Boston, Mass.	Los Angeles, Calif.	Ballast		7,602	5,337
Susherico	25	00.50	25	9.30	25	20.51	26	8.37	American	Transmarine Lines	324.0	46.2	16.0	New Orleans, La.	Los Angeles, Calif.	General	1,300	3,984	2,628
Swiftlight [1]	25	10.05	25	10.15	25	17.03	25	18.34	American	C. D. Mallory & Co.	464.0	60.0	19.0	Fall River, Mass.	Los Angeles, Calif.	Ballast		8,473	6,050
Laguna [2]	24	18.35	25	12.00	25	18.22	26	00.57	British	Pacific Steam Nav. Co.	420.5	54.2	22.5	London, England	Talara, Peru	(13)		4,328	7,139	4,640
J. R. Gordon	25	12.55	25	13.05	25	20.02	25	21.15	American	Union Sulphur Co.	409.8	54.2	24.3	Galveston, Tex.	Los Angeles, Calif.	Sulphur		7,225	6,581	4,784
Sciota [5]	23	21.42	25	11.30	25	18.22			American	United States Navy	149.3	30.0		Cristobal, C. Z.	Balboa, C. Z.	Ballast			
Bantu	25	15.57	26	6.10	26	14.00	27	17.45	American	N. Y. & S. Amer. Line	360.0	47.0	26.6	New York, N. Y.	Coronel, Chile	Steel, general		5,308	4,607	3,032
Hazel Branch	26	1.05	26	7.20	26	14.51	26	24.00	British	F. & W. Ritson	400.0	51.0	20.0	Liverpool, England	Valparaiso, Chile	General		2,553	5,208	3,578
Bullaren	26	6.30	26	9.05	26	15.46	27	00.17	Swedish	Transatlantic S. S. Co.	436.8	56.0	23.0	Oslo, Norway	Wellington, N. Z.	General, timber		6,300	7,614	5,384
Teno	25	21.35	26	10.05	26	17.02	26	18.00	Chilean	Chilean Line	421.8	56.0	25.0	New York, N. Y.	Valparaiso, Chile	General		2,551	7,758	4,672
Cricamola [10]	25	15.10	26	9.40	26	16.58	26	18.00	Panaman	United Fruit Co.	105.0	14.0	6.0	Cristobal, C. Z.	Balboa, C. Z.	Ballast			92	57
Orbita	26	5.05	26	11.10	26	18.05	27	14.32	British	Pacific Steam Nav. Co.	550.3	67.0	27.8	Liverpool, Eng.	Valparaiso, Chile	General		3,570	16,846	11,677
Phoenix [1]	26	6.10	26	11.55	26	19.28	26	20.55	American	American Tankers Corp.	400.8	54.3	21.3	New York, N. Y.	Los Angeles, Calif.	Ballast			6,336	4,389
John D. Archbold [1]	26	13.34	26	13.45	26	20.46	26	22.00	American	Standard Oil Co.	554.0	75.0	23.0	New York, N. Y.	Los Angeles, Calif.	Ballast			14,785	10,313
Montpelier	26	9.10	27	6.15	27	15.51	27	16.56	American	Amer. Ship. & Com. Co.	460.0	58.0	23.3	Hamburg, Germany	Los Angeles, Calif.	General		6,425	6,368	4,161
West Canon	26	15.05	27	6.20	27	16.16	27	18.45	American	Ocean Transport Co.	410.0	54.0	25.0	Mobile, Ala.	San Francisco, Cal.	(14)		8,600	6,624	4,877
Lake Giltedge	26	17.25	27	7.00	27	16.42	27	17.45	American	N. O. & S. A. S. S. Co.	251.0	43.6	18.6	New Orleans, La.	Talcahuano, Chile	General		1,415	2,879	1,816
Steel Voyager	26	22.30	27	7.35	27	17.10	27	22.50	American	Isthmian S. S. Lines	395.5	55.0	27.0	Charleston, S. C.	Honolulu, T. H.	General		8,568	7,330	5,249
Kansan	27	3.40	27	8.10	27	17.26	27	18.30	American	Amer.-Hawaiian Line	404.6	53.9	22.0	Boston, Mass.	Portland, Oreg.	General		5,198	6,779	4,921
Magicstar	27	3.55	27	9.35	27	17.58	28	1.50	British	Blue Star Line	420.0	54.0	15.0	Liverpool, England	Seattle, Wash.	Ballast			7,352	5,510
Chiman [11]	24	22.00	27	9.35	27	18.00	27	23.35	Panaman	National Nav. Co.	116.0	21.0	9.6	Cristobal, C. Z.	Buenaventura, Col.	General		322	211	124
Cibao	23	3.52	27	11.05	27	21.30	27	21.30	Norwegian	United Fruit Co.	225.0	33.6	13.0	Port Antonio, Jam.	Gatun, C. Z. [12]	Bananas		302	1,239	690
Cokesit	26	21.03	27	11.10	27	18.47	27	20.03	American	Roosevelt S.S. Co., S. B.	402.0	53.0	21.1	New York, N. Y.	Adelaide, Australia	Case oil, general		3,196	6,291	4,454
Nebraska	27	6.40	27	12.00	27	19.35	27	20.33	British	Royal Mail S. P. Co.	450.0	58.0	17.11	London, England	Vancouver, B. C.	Ballast			8,878	6,588

[1] Tanker. [10] Yacht. [11] Motor schooner. [12] And return to Mobile, Ala. [13] General, cement, iron, and oil. [14] Sulphur, and railroad supplies.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Chilore	20	23.30	21	5.58	21	17.40	21	17.40	American	Ore S. S. Corp.	549.65	72.25	34.6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	14,538	9,348
Rimutaka	20	23.46	21	7.17	21	17.09	22	6.14	British	N. Z. Shipping Co.	457.0	55.0	24.6	Lyttleton, N. Z.	London, England	Cold storage, gen.	5,211	9,201	6,961
Pacific Trader [2]	20	17.30	21	12.02	21	18.45	21	22.20	British	Furness, Withy & Co.	420.0	58.0	27.0	Los Angeles, Calif.	Manchester, Engl'd	General		7,911	7,905	5,869
San Teodoro [1]	21	19.00	22	6.29	22	13.40	22	13.40	British	Anglo-Mexican Pet. Co.	412.0	53.4	24.0	Los Angeles, Calif.	London, England	Gasoline		7,485	6,006	4,200
Denver [15]	19	19.44	22	7.25	22	15.30	26	10.15	American	U. S. Navy	306.0	44.0	16.2	Corinto, Nicaragua	Cristobal, C. Z.					
Bologna	21	21.00	22	8.06	22	15.10	23	9.56	Italian	Italian Line	384.91	46.7	21.0	Valparaiso, Chile	Genoa, Italy	(16)		2,439	5,531	3,774
Santa Elisa	22	6.00	22	8.50	22	16.22	22	18.00	American	Grace Line	360.3	51.7	25.0	Talcahuano, Chile	New York, N. Y.	(17)		3,980	5,957	4,325
Crampton Anderson [1]	21	17.55	22	9.27	22	17.05	22	21.17	American	Pan-Amer. Pet. & Tr. Co.	435.0	56.0	28.2	Los Angeles, Calif.	Rio Janerio, Brazil	Fuel oil	10,000	7,406	5,159
Oak Branch	21	20.55	22	9.46	22	18.20	22	20.15	British	F. & W. Ritson	385.0	49.8	26.0	Corral, Chile	Liverpool, England	(18)		4,971	5,209	4,035
Montauk	21	23.45	22	10.40	22	18.20	22	18.20	American	Dollar Line	419.5	56.5	30.5	Seattle, Wash.	Norfolk, Va.	General	10,800	8,696	6,316
Ensley City	21	20.50	22	11.06	22	18.55	22	18.55	American	Isthmian S. S. Lines	395.5	55.0	26.0	Vancouver, B. C.	Avonmouth, Engl'd	General		7,427	7,330	5,239
Ohioan	22	4.54	22	11.50	22	19.30	22	23.30	American	Amer.-Hawaiian Line	407.7	53.7	25.6	Seattle, Wash.	Philadelphia, Pa.	General		6,347	7,112	4,896
Leise Maersk [2]	22	10.15	22	12.49	22	20.00	22	20.00	Danish	Isbrandtsen Mollar Co.	302.2	44.2	19.0	Anacortes, Wash.	Tampico, Mexico	Box shooks		2,300	3,212	2,166
F. Q. Barstow [1]	22	17.30	23	6.06	23	14.20	23	14.20	American	Standard Oil Co. of N. J.	500.0	68.2	28.6	Talara, Peru	Charleston S. C.	Crude oil	16,000	10,530	7,604
Munindies	22	17.45	23	7.09	23	15.25	23	15.25	American	Munson Line	385.0	53.0	24.10	Portland, Oreg.	Wilmington, N. C.	Lumber		6,299	5,525	4,097
Port Hacking	22	18.30	23	8.04	23	16.55	24	00.04	British	Com'lth & Dom. Line	440.0	55.15	21.3	Dunedin, N. Z.	London, England	Cold storage, gen.	5,400	7,885	5,847
Mobile City	22	19.10	23	9.15	23	17.25	23	19.40	American	Isthmian S. S. Lines	395.5	55.0	26.6	Caleta Colosa, Chile	Charleston, S. C.	Nitrate	9,120	7,330	5,241
Buenaventura	23	7.20	23	10.24	23	17.42	24	14.40	American	Panama R. R. S. S. Line	251.0	43.0	15.7	Guayaquil, Ecuador	New York, N. Y.	General	1,387	2,873	1,776

[1] Tanker. [15] Cruiser. [16] Copper, ivory nuts, coffee, and cocoa. [17] Copper, nitrate, cotton, wool, minerals, etc. [18] Nitrate, oats, cotton, and hides.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Sudbury	23	8 50	23	11 14	23	19 2[illegible]	24	10 35	American...	Arrow Line	384 8	51 2	25.0	Portland, Oreg	Baltimore, Md	Lumber, copper	6,300	5,571	4,033
Georgian	23	10 1[illegible]	23	12 0[illegible]	23	19 2[illegible]	23	19 20	American...	Amer.-Hawaiian Line	386 8	52 2	24 0	Port Angeles, Wash.	Baltimore, Md	Lumber	5,690	5,719	5,923
Keifuku Maru.	23	13 15	23	14 14	23	22 10	24	20 20	Japanese...	Kokusai Kisen Kaisha.	385.0	51 0	26.0	Vancouver, B. C..	Falmouth, England	Wheat	7,469	6,213	4,670
Sciota [19].			23	14 25	23	21 4[illegible]	25	11 3[illegible]	American...	U. S. Navy	155 0	30 0		Balboa, C. Z	Cristobal, C. Z				
Neches [1].	24	4 5[illegible]	24	6 10	24	14 5	24	14 50	American...	U. S. Navy	455.0	56 2	27 7	Los Angeles, Calif	Guantanamo, Cuba.	Fuel, gasoline	7,715		
San Tiburcio [1]	24	4 00	24	7.21	24	17 40	24	21 35	British	Eagle Oil Transport Co.	413 0	53.4	25 0	Los Angeles, Calif	London, England	Gasoline	7,456	5,997	4,069
Mongolia	23	12 22	24	8 21	24	16 4[illegible]	24	17 09	American...	Panama-Pacific Line	600 0	65.0	33 3	San Francisco, Cal.	New York, N. Y.	([illegible])	7,546	17,041	11,426
Nitokris	23	19 09	24	9 02	24	17 05	24	23 35	German	Kosmos Line.	410.9	50 6	25 7	Corral, Chile	Hamburg, Germany	General	6,584	6,652	4,704
Scottish American [1]	23	21 00	24	10 28	24	19 55	26	15 46	British	British Tankers, Ltd	425.0	57 0	28 6	Los Angeles, Calif.	Cristobal, C. Z	Fuel oil.	8,828	7,080	5,127
Robert Luckenbach	23	17 00	24	10 48	24	19 5[illegible]	24	19 5[illegible]	American.	Luckenbach Line	445.0	57 0	27.0	Portland, Oreg	Boston, Mass	Lumber, general.	8,700	8,695	6,375
Dixie Arrow [1].	24	7 2[illegible]	24	11 2[illegible]	24	20 35	24	20 35	American...	Standard Transp. Co...	468.3	62 7	27 8	San Francisco, Cal.	New York, N. Y.	Gas oil.	12,[illegible]29	9,744	7,140
Chimes [24]	24	11 30	24	12 28	24	22 0[illegible]	27	9 35	Panaman...	National Navigation Co.	116 0	21.0	6 8	Buenaventura, Col	Cristobal, C. Z	Coffee, hides	219	211	124
Garfield	24	7.30	24	12 1[illegible]	24	21 5[illegible]	25	9 2[illegible]	American...	N. O. & S. A. S. S. Line	299 4	45 6	19 6	Corral, Chile	New Orleans, La	Nitrates	2,852	3,256	2,010
Mantaro	24	17 15	25	6.25	25	13 2[illegible]	29	6 30	Peruvian...	Peruvian Line	367 3	46.0	20 0	Callao, Peru	Cristobal, C. Z	General	1,962	4,838	2,959
Cricamola [20]			25	6 28	25	15 10	26	9 40	Panaman...	United Fruit Co	115 0	14 0		Panama Bay, R. P.	Cristobal, C. Z				
San Luis [22]			25	6 28	25	15 10			Panaman...	United Fruit Co	5[illegible]0	18 4		Panama Bay, R. P.	Cristobal, C. Z				
Brazil Maru.	24	21 30	25	7 28	25	15 05	25	17 05	Japanese...	Kokusai Kisen Kaisha	385 0	51 0	26 2	Vancouver, B. C	Hampton R'ds [24].	Wheat	7,352	5,915	4,423
Steel Exporter.	25	3 05	25	8 19	25	16 0[illegible]	25	16 05	American...	Isthmian S. S. Lines	424 2	56 2	24.9	Everett, Wash.	Poughkeepsie, N.Y.	Lumber	6,639	7,611	5,450
David McKelvy [1]	25	11.30	25	12.24	25	20 00	25	20 0[illegible]	American...	Tidewater Oil Co	430.0	59 2	28.6	Los Angeles, Calif	New York, N. Y..	Crude oil	11,058	7,629	5,325
Fordefjord [22]	24	17.30	25	13.30	25	21.15	26	19 30	Norwegian..	Canadian Transp. Co	378 0	50 0	24 0	N. Wminster, B.C.	New York, N. Y.	Lumber	5,705	5,572	4,112
Illinois	25	16.30	26	6.12	26	15.00	27	18 30	French.....	French Line	400 3	51 3	26 0	San Antonio, Chile.	Le Havre, France.	([illegible])	8,6[illegible]3	6,043	4,287
Rydal Hall.	25	23.55	26	7.13	26	15.45	26	16 15	British	Ellerman-Hall Lines.	400 0	55 0	25 6	Vancouver, B. C.	Leith, Scotland.	Wheat	8,07[illegible]	6,799	5,135
Ingram	26	7.35	26	8.13	26	17.12	27	1 25	German....	Roland Line	369 5[illegible]	50.9	23 2	Talcahuano, Chile	Antwerp, Belgium	General	6,064	4,899	3,704
Freestatdijk.	26	11.15	26	12.18	26	19.00	26	20 40	Dutch.....	Holland-American Line.	485 37	62 5[illegible]	28.0	Vancouver, B. C.	Rotterdam, Holland.	([illegible])	9,536	10,793	7,619
Baron Elcho...	26	12.05	26	12.50	26	20.50	26	22 00	British	Hogarth & Sons	376 0	49 2	24 6	Portland, Oreg	Norfolk, Va. [21].	Wheat	6,287	4,796	3,492
Californian [23]..	26	13.28	26	14 1[illegible]	26	21.35	26	21 35	American...	Amer.-Hawaiian Line	461.75	58 08	27.0	Portland, Oreg	Boston, Mass.	General	9,232	8,567	6,020
Marore	26	18.15	27	5.50	27	16.20	27	16 20	American...	Ore S. S. Corp	550.3	72.2	34.0	Cruz Grande, Chile	Baltimore, Md	Iron ore	20,096	15,551	4,297
Roanoke [1]	26	11.20	27	7.11	27	15.25	27	15 25	American...	Texas S. S. Co	416 8	56 1	26 6	Los Angeles, Calif	Baltimore, Md	Gasoline	10,410	6,976	5,100
Agnes E. [23]....	27	00.05	27	7.09	27				Panaman...	Pacific Fruit Co	57 8	19 7	8 0	Panama Bay, R. P.	Gatun, C. Z	Bananas	10	57	28
Rimac	26	19.45	27	8.21	27	17 05			Peruvian...	Peruvian Line.	435 7	53 2	25 6	Callao, Peru	Marseilles, France	Sugar	6,484	7,437	5,213
Gedania [1].	27	1.30	27	9.22	27	17.30	27	18 45	Danzig.....	Standard Oil Co. of N. J.	468 8	64 1	27 6	Talara, Peru.	Charleston, S. C.	Crude oil	13,200	10,596	8,085
Balboa [22].	27	3.30	27	9 5[illegible]	27	17.42	27	19 50	Swedish....	Johnson Line.	426 95	56 31	26 10	Vancouver, B. C.	Stockholm, Sweden.	Wheat, general	7,911	7,480	5,533
Amsterdam....	27	4.15	27	11.25	27	19.16	27	21 10	Dutch.....	Royal Neth. W. I. Mail	473.5	65.69	33.0	Corral, Chile.	Rotterdam, Holland	Nitrate, general	14,969	11,638	7,669
Duchessa D'Aosta	27	8 55	27	12 28	27	20 50	28	1 3[illegible]	Italian	Nav. Libera-Triestina	446 24	57 4	26.0	Seattle, Wash.	Trieste, Italy.	General	8,763	8,011	5,556
Jamaica	27	11 20	27	13 10	27	22 00			British	Pacific Steam Nav. Co	220 0	34 0	12 0	Champerico, Guat	Cristobal, C. Z	General	410	1,187	622

[1] Tanker. [19] Navy tug. [20] Yacht. [21] Motor schooner. [22] Motor ship. [23] Commercial launch. [24] For orders. [25] Canned fruit, fish, beans, wines, etc. [26] Sugar, copper, and cotton.

[27] Wheat, copper, lead, fruit, and general. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
November 21	Cartago	United Fruit Co.	New Orleans via Habana.	November 21	Puerto Rico	French Line	St. Nazaire and wayports.
November 21	Pastores	United Fruit Co.	Port Limon, Costa Rica.	November 21	Pastores	United Fruit Co.	New York via Habana.
November 22	Ulua	United Fruit Co.	New York via Habana.	November 21	Cartago	United Fruit Co.	Port Limon, Costa Rica.
November 22	Esparta	United Fruit Co.	New York, N. Y.	November 23	Esparta	United Fruit Co.	Cartagena, Colombia.
November 23	Humphreys [28]	U. S. Navy	Ceiba, Honduras.	November 24	Cartago	United Fruit Co.	New Orleans via Habana.
November 24	Terror [29]	A. Tagaropulos	Colon, Rep. of Panama.	November 24	San Jose	United Fruit Co.	New York, N. Y.
November 24	Inapaquina [30]	United Fruit Co.	Colon, Rep. of Panama.	November 24	Ariguani	Elders & Fyffes, Ltd.	Port Limon, Costa Rica.
November 24	Cartago	United Fruit Co.	Port Limon, Costa Rica.	November 24	Ulua	United Fruit Co	Port Limon, Costa Rica.
November 24	San Jose	United Fruit Co.	Puerto Columbia, Col.	November 24	Humphreys [28]	U. S. Navy	New York, N. Y.
November 24	Abangarez	United Fruit Co.	New Orleans via Habana.	November 24	Inapaquina [30]	United Fruit Co.	Colon, Rep. of Panama.
November 24	Ariguani	Elders & Fyffes, Ltd.	Avonmouth via wayports.	November 24	Crynssen	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
November 24	Cristobal	Panama Railroad S. S. Line	New York via Haiti.	November 24	Terror [29]	A. Tagaropulos	Colon, Rep. of Panama.
November 24	Carrillo	United Fruit Co.	New York via Kingston.	November 25	Abangarez	United Fruit Co.	New Orleans via wayports.
November 24	Crynssen	Royal Netherlands W. I. Mail	Amsterdam and wayports.	November 25	Carrillo	United Fruit Co.	Colombian ports.
November 24	Bienvenido	Welcolm S. S. Co.	Cuidad Bolivar, Venezuela	November 25	Sixaola	United Fruit Co.	New York via Kingston.
November 25	Sixaola	United Fruit Co.	Santa Marta, Colombia.	November 25	Bienvenido	Welcolm S. S. Co.	Port-of-Spain, Trinidad.
November 25	Virginia	Standard Fruit S. S. Co.	New Orleans, La.	November 26	Virginia	Standard Fruit S. S. Co.	San Blas, Rep. of Panama.
November 26	Crynssen	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.	November 26	San Gil	United Fruit Co.	Boston via Kingston.
November 26	San Gil	United Fruit Co.	Boston via wayports.	November 27	Crynssen	Royal Netherlands W. I. Mail	Amsterdam and wayports.
November 17	Ariguani	Elders & Fyffes, Ltd.	Port Limon, Costa Rica.	November 27	Ariguani	Elders & Fyffes, Ltd.	Bristol via Kingston.
November 27	Virginia	Standard Fruit S. S. Co.	San Blas, Rep. of Panama	November 27	Virginia	Standard Fruit S. S. Co.	New Orleans, La.

[28] Destroyer. [29] Schooner. [30] Motor schooner.

PORT OF BALBOA.

November 22	J. A. Moffett, jr	Standard Oil Co. of N. J.	Los Angeles, Calif.	November 23	J. A. Moffett, jr	Standard Oil Co. of N. J.	Los Angeles, Calif.
November 25	Zuiderzee [31]	L. Smith & Co.	High seas.	November 26	Zuiderzee [31]	L. Smith & Co	Talara, Peru.

[31] Tug.

* Other than ships passing through the Canal.

Transit of Steamer "Orbita" in European-South American Service.

The passenger-cargo steamer *Orbita*, owned and operated by the Pacific Steam Navigation Company, transited the Canal on Friday, November 26, en route from Liverpool to Valparaiso, Chile, having recently been added to the South American service after a general overhaul and reconditioning preparatory for tropical service. The *Orbita*, which was formerly on the Southampton-New York run, is 550.3 feet long, with a beam of 67.3 feet; she has a net tonnage, Panama Canal measurement, of 11,677. Tolls, based on a United States net tonnage of 8,977, were $11,221.25.

In January, the *Orbita* will be followed by the *Orduña*, also formerly used in the Southampton-New York service. The proposed itinerary of the *Orduña* on her maiden voyage in the South American service will be a cruise which will encircle the continent with stops at Rio de Janerio, Santos, Montevideo, Port Stanley, Punta Arenas (Straits of Magellan), and west coast ports, making the transit of the Canal on her return voyage on March 4, en route to Habana, Spain, France, and Liverpool.

Construction of Diesel Electric Tugs.

Two all-steel Diesel electric towboats, 125 feet long, 28 foot beam, and approximately 14½ foot draft, 750 shaft horsepower, are now being built in Balboa Shops by the Mechanical Division. The design of the hulls is complete and fabrication of material is now in process in the shops. It is hoped to be able to lay the keels of these boats at the beginning of the coming dry season, and to launch them not later than the first of May, 1927.

These two boats have been designed primarily as seagoing craft, although the major part of the duty of the boats will, no doubt, be in Canal Zone waters.

Living accommodations are provided for six "gold" or American men and 24 "silver" or tropical employees. One tug, for the present, is being equipped with the latest radio equipment. Each boat is being equipped with very powerful electric towing machines, equivalent in capacity and size to that of the largest steam tugs.

Two definite steps in advancement of towboat design have been included in the design of these hulls. The first of these is the installation of bulkheads and double bottoms as necessary, in order to make the tug a one compartment ship; that is to say, it will be possible for the tug to remain afloat with one of her main compartments bilged. The second change in design is the cutting away of the deadwood aft and installing a simple casting in the way thereof. This is expected to improve the handling qualities of these large tugs a great deal. It is probable that, regardless of the length of these two boats, they will be just as handy as are the smaller harbor tugs now employed on the Canal.

The main propelling machinery has been purchased and is now being manufactured by various companies in the United States, for delivery on the Canal Zone not later than May 1, 1927. This machinery is, in summary, as follows: Each tug will be fitted with two 4-cycle mechanical injection Diesel engines, each driving a direct-connected 330-KW direct-current 250-volt generator and on an extension shaft a 50-KW direct-current exciter. The two main generators will, operating in series, drive a double armature 750-horsepower direct-current motor. This motor will be direct-connected to a single propeller approximately

10 feet 6 inches in diameter, designed to turn from 115 to 140 revolutions per minute when developing full power. All auxiliaries will be driven from the power developed by the two exciters when the main engines are in operation.

As auxiliary power each tug will be equipped with a 10-KW generator, driven by a direct-connected 25-horsepower 4-cycle solid injection Diesel engine. An air compressor of suitable size can be driven on an extension of the auxiliary generator shaft through a clutch. An independent compressor, motor-driven, will be installed in each boat. The motor for this compressor is to be automatically controlled from the air pressure in the starting air tanks of the main engines, which will insure maximum pressure for the starting air being available continuously.

Each tug will be equipped with a motor-driven centrifugal fire pump, capacity of which is 1,000 gallons per minute at 100 pounds pressure. It is intended to equip the tugs so that this pump may be used as a salvage pump as well. Lighting circuit and power for the ice machine motor and sanitary pump motor are taken from 125-volt mains. This voltage is obtained by stepping down exciter voltage through a motor generator. Each tug is equipped with a second motor generator which will convert the 25-cycle 230-volt current Canal Zone to 125-volt direct current, for use on the tugs. This will permit the tugs, while lying at dock, to enjoy the comforts of lights, sanitary system, and refrigeration without running any machinery aboard the tug.

The fuel oil capacity of each tug is sufficient to give at least 21 days' cruising radius operating at full power.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending November 27, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
Cartago	United Fruit Co.	November 21	November 21	531	56
Pastores	United Fruit Co.	November 21	November 21	60	(1)
Perene	Peruvian Line	November 21	November 22	(2)	72
Manila Maru	Osaka Shosen Kaisha	November 21	November 23	74	(3)
Ulua	United Fruit Co.	November 22	November 24	423	69
Arkansas	French Line	November 22	November 22	39	26
Bologna	Italian Line	November 22	November 23	71	60
Esparta	United Fruit Co.	November 22	November 23	1	657
Buenaventura	Panama Railroad S. S. Line	November 23	November 24	374	39
Cibao	United Fruit Co.	November 23	November 27	(4)	514
Cristobal	Panama Railroad S. S. Line	November 23		3,538	
Cartago	United Fruit Co.	November 24	November 24	1	232
San Jose	United Fruit Co.	November 24	November 24	29	359
Crynssen	Royal Netherlands W. I. Mail	November 24	November 24	23	(5)
Abangarez	United Fruit Co.	November 24	November 25	907	64
Garfield	Grace Line	November 24	November 25	392	(3)
Carrillo	United Fruit Co.	November 24	November 25	101	346
Bienvenido	Welcolm S. S. Co	November 24	November 25	170	(3)
Chiman	Colombian Transport Co	November 24	November 27	219	321
Laguna	Pacific Steam Navigation Co.	November 24	November 25	143	99
Scottish American	British Tankers, Ltd.	November 24	November 26	8,828	(3)
Virginia	Standard Fruit S. S. Co	November 25	November 26	399	10
Mantaro	Peruvian Line	November 25		2,028	
Fordefjord	Canadian Transport Co.	November 25	November 27	195	(3)
Sixaola	United Fruit Co.	November 25	November 25	(4)	22
Orbita	Pacific Steam Navigation Co.	November 26	November 26	99	(3)
Ingram	Roland Line	November 26	November 27	276	105
Crynssen	Royal Netherlands W. I. Mail	November 26	November 27	(6)	504
Illinois	French Line	November 26	November 27	435	(3)
Montpelier	Amer. Ship. & Com. Co.	November 26	November 27	(3)	173
San Gil	United Fruit Co.	November 26	November 26	38	69
Lake Giltedge	N. O. & S. A. S. S. Co.	November 26	November 27	58	99
Virginia	Standard Fruit S. S. Co.	November 27	November 27	14	464
Ariguani	Elders & Fyffes, Ltd.	November 27	November 27	(7)	(8)
Jamaica	Pacific Steam Navigation Co.	November 27		410	

[1] 2 cases. [2] 1 case. [3] No cargo laded. [4] No cargo discharged. [5] 1 package. [6] 3 packages. [7] 45 packages. [8] 5 packages.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective November 30, 1926:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.23
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.44
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.16
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.14
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.14
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.18
Waste, cotton, white	Lb.	.21

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending November 27, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Borga	Peter Olsen	November 21	November 21	220	
Cambra	U. S. Government	November 22	November 22	85	81
J. A. Moffett, jr.	Standard Oil Co.	November 22	November 23	16,070	
Mantaro	Peruvian Line	November 24	November 25	68	
Fordefjord	Canadian Transport Co.	November 24	November 25	339	

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity ..... .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton ..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

Postal and Cable Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., December 8, 1926. No. 18.

Preliminary Trial of Diesel Engines.

Preliminary trial of one of the three 3,750-horsepower Diesel engines being installed at the Miraflores electric plant was made on December 3, 1926. Some minor adjustments will be necessary but on the whole the trial was very satisfactory. In the near future a thorough trial of these engines will be made before placing them in actual service.

Each of the three engines with its generator and auxiliaries forms a complete unit with a length of 60 feet and a weight of 815,000 pounds. The engines are of 2-cycle, 6-cylinder type, each cylinder having a bore of 29 inches, a stroke of 44 inches, and operating at a speed of 125 revolutions per minute. This station is said to be the largest of its kind in the western hemisphere.

Price of Coal at the Canal.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., *December 4, 1926.*

TO ALL STEAMSHIP AGENTS:

1. Effective December 6, 1926, the restrictions on the sale of coal at the Panama Canal, limited to quantities sufficient to take steamers to the next coaling port, are removed.

2. Effective December 6, 1926, the prices for coal will be as follows, and Supplement No. 9 to Tariff 8, dated October 30, 1926, is modified accordingly:

	Cristobal-Colon.	Balboa.
3. For steamships, including warships of all nations, delivered from coaling plants, per ton of 2,240 pounds, except as provided in paragraph 5	$10.00	$13.00
4. For vessels transiting the Canal that are directed by The Panama Canal to take coal at Balboa on account of the condition of the plants, the quantity available, or for the purpose of expediting traffic		10.00
5. For steamships, including warships of all nations, when delivered from lighters in quantities of 50 tons or more, per ton of 2,240 pounds	11.00	14.00
6. For steamships, including warships of all nations, when delivered from lighters in quantities of less than 50 tons, with minimum charge for 20 tons and with maximum charge not to exceed that for 50 tons at prices specified in paragraph 6, per ton of 2,240 pounds	13.00	16.00

M. L. WALKER,
Governor, The Panama Canal.
President, Panama Railroad Company.

Supplement No. 13 to Tariff No. 8.

The changes in price of coal set forth in the foregoing notice have been published in Supplement No. 13 to Tariff No. 8, dated December 6, 1926, and effective same date.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, December 4, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
El Capitan	27	14.10	28	6.10	28	13.30	28	14.40	American	Swayne & Hoyt	289.0	44.1	20.0	New Orleans, La.	Seattle, Wash	General	3,400	2,939	2,020
Dean Emery [1]	28	7.05	28	7.30	28	14.07	28	15.10	American	Huasteca Petroleum Co.	429.3	59.2	20.0	Boston, Mass.	Los Angeles, Calif	Ballast		7,709	5,517
Feltore	27	11.45	28	12.25	28	19.51	28	20.54	American	Ore S. S. Corp.	449.0	57.2	20.0	Norfolk, Va	Cruz Grande, Chile	Ballast		7,808	5,139
Athenic	28	1.32	28	13.40	28	20.48	28	22.12	British	Shaw, Savill & Albion	500.3	63.3	25.11	London, England	Wellington, N. Z.	General	5,000	12,896	9,571
Byron D. Benson [1]	29	7.30	29	7.40	29	14.18	29	15.15	American	Tidewater Oil Co.	465.0	60.2	21.0	New York, N. Y.	Los Angeles, Calif	Ballast		8,546	5,870
Noorderdijk	28	11.40	29	9.27	29	15.48	29	16.45	Dutch	Holland-American Line	470.0	58.0	19.0	Rotterdam, Holland	Vancouver, B. C.	General	2,133	8,888	6,612
Buffalo Bridge	29	10.05	29	10.25	29	18.0	30	00.30	American	The Chas. Nelson Co.	324.0	46.2	21.6	Galveston, Tex	Vancouver, B. C.	Sulphur	5,217	3,987	2,630
Architect	28	16.05	29	12.35	29	18.38	30	6.59	British	T. & J. Harrison	410.0	52.0	17.1	Liverpool, England	San Francisco, Cal	Ballast		6,245	4,305
D. G. Scofield [1]	29	13.40	29	13.5	29	20.0	29	23.40	American	Standard Oil Co.	439.5	58.0	21.0	Bayonne, N. J.	Los Angeles, Calif	Ballast		8,698	5,935
R. J. Hanna [1]	29	13.45	30	6.15	30	13.20	30	14.25	American	Standard Oil Co.	435.0	56.2	20.0	Baltimore, Md	Los Angeles, Calif	Ballast		7,639	5,206
Heffron	29	17.50	30	6.30	30	14.27	30	20.15	American	Norton, Lilly & Co	440.0	56.0	28.0	New York, N. Y.	Seattle, Wash	General	9,697	8,299	6,087
West Katan	39	6.00	30	7.25	30	15.13	30	16.45	American	Calif. & East'n S. S. Co.	410.5	54.3	20.0	Baltimore, Md	Los Angeles, Calif	General	4,241	6,57	4,916
Reginolite [2] [1]	30	6.25	30	8.25	30	16.06	30	21.10	British	Imperial Oil Co.	471.2	62.9	21.0	Montreal, Canada	Talara, Peru	Ballast		9,23	6,304
Fernbank [2]	30	11.25	30	11.55	30	18.44	30	20.15	Norwegian	Fern Line	383.0	53.0	20.6	Galveston, Tex	Yokohama, Japan	Cotton	4,080	6,11	4,265
Odenwald [2]	30	5.45	30	12.35	30	19.37	12-1	3.24	German	Hamburg-American Line	399.6	54.2	23.11	Hamburg, Germany	Buenaventura, Col.	General	6,401	6,803	4,979
F. H. Wickett [1]	28	21.30	30	13.32	30	20.42	30	22.00	American	Huasteca Petroleum Co.	468.0	62.6	20.5	New Orleans, La.	Los Angeles, Calif	Ballast		9,660	7,034
Sunbeam [3]			30		30	9.22			American	American Banana Corp.				Cristobal, C. Z.	Gatun, C. Z.	(7)		1	1
Barge No. 6 [4]			30		30	9.22			American	American Banana Corp.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		15	15
Jamaica	27	22.00	12-1	6.07	12-1	15.16	12-1	16.50	British	Pacific Steam Nav. Co.	220.0	34.0	13.7	Cristobal, C. Z.	Champerico, Guat	General	786	1,187	622
Quail [5]			1	6.00	1	16.10	2	6.43	American	U. S. Navy	180.0	35.6		Cristobal, C. Z.	Balboa, C. Z.				
S-42 [6]			1	6.00	1	15.00	2	6.43	American	U. S. Navy	225.0	28.0		Cristobal, C. Z.	Balboa, C. Z.				
S-43 [6]			1	6.00	1	15.00	2	6.43	American	U. S. Navy	225.0	28.0		Cristobal, C. Z.	Balboa, C. Z.				
S-44 [6]			1	6.00	1	16.14	2	6.43	American	U. S. Navy	225.0	28.0		Cristobal, C. Z.	Balboa, C. Z.				
S-45 [6]			1	6.00	1	16.14	2	6.43	American	U. S. Navy	225.0	28.0		Cristobal, C. Z.	Balboa, C. Z.				
S-46 [6]			1	7.00	1	16.18	2	6.43	American	U. S. Navy	225.0	28.0		Cristobal, C. Z.	Balboa, C. Z.				
S-47 [6]			1	7.00	1	16.18	2	6.43	American	U. S. Navy	225.0	28.0		Cristobal, C. Z.	Balboa, C. Z.				
Manukai	12-1	00.40	1	7.30	1	16.08	1	16.50	American	American-Hawaiian Line	480.6	62.0	20.6	Norfolk, Va.	San Francisco, Cal.	General	1,000	10,316	7,561
Oregonian	1	2.30	1	8.45	1	16.58	1	18.10	American	American-Hawaiian Line	404.6	53.9	21.0	Boston, Mass.	Seattle, Wash	General	4,413	5,959	4,203
Dorothy Luckenbach	30	23.45	1	10.10	1	17.17	1	18.10	American	Luckenbach Line	448.9	60.2	26.5	Boston, Mass.	Seattle, Wash	General	6,975	9,294	6,861
Saint Louis	30	3.40	1	10.47	1	17.40	1	18.46	French	French Line	398.1	50.3	16.2	Havre, France	Guayaquil, Ecuador	General	1,438½	5,857	4,166
Canadian Traveller	12-1	11.08	1	11.55	1	19.14	1	20.35	British	Can. Gov. Mer. Marine	413.1	52.0	20.0	Montreal, Canada	Brisbane, Australia	General	2,800	5,894	4,143
Santa Ana	1	19.40	2	6.15	2	12.43	2	16.35	American	Grace Line	360.2	51.6	25.6	New York, N. Y.	Talcahuano, Chile	General	2,673	5,776	4,081
Romagne	1	4.23	2	6.05	2	14.59	2	16.00	American	Dollar Line	251.0	43.7	16.7	Savannah, Ga.	Kobe, Japan	Bales of cotton	1,714	2,651	1,619
Suboteo	1	15.07	2	6.30	2	15.23	2	19.58	American	Transmarine Lines	324.0	46.2	21.0	Newark, N. J.	Los Angeles, Calif	General	3,200	3,984	2,628
Manchuria	2	7.26	2	7.40	2	14.03	2	23.18	American	Panama-Pacific Line	600.0	65.3	25.0	New York, N. Y.	San Francisco, Cal.	(8)	1,616	17,044	11,488
Cattaro	29	20.20	2	9.05	2	15.58	2	17.15	German	Hamburg-American Line	226.3	36.8	15.0	Cristobal, C. Z.	Buenaventura, Col.	General	1,000	1,494	936

[1] Tanker. [2] Motor ship. [3] Launch. [4] Canal Zone No. 3622. [5] Mine sweeper. [6] Submarine. [7] Towing barge *No. 6*. [8] Drugs, ginger ale, and sundries.

Varanger [1]	1	15.18	2	9.42	2	17.00	2	20.20	Norwegian	Standard Oil Co.	469.0	60.0	21.0	Amsterdam, Holl.	Los Angeles, Calif.	Ballast		9,431	6,451
Ashbee [2]	1	10.40	2	11.00	2	18.36	3	12.30	American	Grace Line	333.8	48.0	19.7	New York, N. Y.	Antofagasta, Chile	General	3,855	4,101	2,687
Mantaro	1	17.30	2	11.40	2	18.31	2	19.58	Peruvian	Peruvian Line	367.3	46.0	21.1	Covenas, Colombia	Callao, Peru	(9)	420	4,838	2,959
Peter Kerr	2	5.50	2	12.00	2	19.40	2	20.58	American	Arrow Line	415.0	55.6	26.6	Savannah, Ga.	Portland, Oreg.	General	8,330	7,704	5,707
K. R. Kingsbury [1]	2	15.00	3	6.15	3	13.31	3	14.45	American	Standard Oil Co.	440.0	58.0	22.0	New York, N. Y.	Los Angeles, Calif.	Ballast		9,033	5,938
Suholco	30	14.15	3	6.15	3	16.02	3	17.15	American	Transmarine Lines	324.0	46.2	23.0	New York, N. Y.	Los Angeles, Calif.	General	4,000	3,984	2,619
President Garfield	12–3	6.25	3	7.25	3	14.19	4	00.58	American	Dollar Line	502.1	62.2	26.0	New York, N. Y.	Orient	General	3,117	12,057	8,509
Valacia	2	18.20	3	7.10	3	15.09	4	2.24	British	Cunard Line	460.0	57.0	27.5	New York, N. Y.	Freemantle, Aust.	Asphalt, general.	6,012	8,460	6,425
Julia Luckenbach	2	22.00	3	8.30	3	15.41	3	16.35	American	Luckenbach Line	436.0	57.0	28.6	Galveston, Tex.	Los Angeles, Calif.	General	7,074	8,543	6,402
Neches [1]	3	7.20	3	8.30	3	16.24	5	00.40	American	U. S. Navy	455.0	56.0	25.0	Guantanamo, Cuba	Los Angeles, Calif.	Ballast			
Rotorua	3	9.28	3	9.50	3	16.58	4	7.55	British	N. Z. Shipping Co.	526.4	61.4	24.0	London, England	Auckland, N. Z.	General	4,45[illegible]	12,846	9,439
Bronnoy [2]	3	6.48	3	10.00	3	17.22	3	23.45	Norwegian	A. S. Borgestad	380.5	54.6	24.6	Galveston, Tex.	Wanganui, N. Z.	Sulphur	8,05[illegible]	6,447	4,757
Hameln	3	7.08	3	10.45	3	18.00	3	19.09	German	Roland Line	367.1	47.7	23.10	Antwerp, Belgium	Buenaventura, Col.	General	5,144	4,500	3,283
Willsolo	3	8.07	3	11.15	3	18.27	3	23.25	American	Williams Line	435.0	57.6	20.0	Baltimore, Md.	Seattle, Wash.	General	5,30[illegible]	7,983	5,882
Agwistone [2]	3	10.08	3	11.55	3	19.25	3	20.48	American	Inter. Shipping Corp.	500.0	68.0	21.6	New York, N. Y.	Los Angeles, Calif.	Ballast		10,853	7,804
Borgestad [2]	3	10.35	3	12.20	3	20.10	3	21.20	Norwegian	Dominion Nav. Co.	350.0	51.0	22.7	Guayabal, Cuba	Yokohama, Japan	Sugar	6,186	4,716	3,235
Liberator	3	12.10	3	13.10	3	21.00	4	4.03	American	American-Pioneer Line	410.0	56.0	22.0	Galveston, Tex.	Manila, P. I.	Cotton, general	5,16[illegible]	8,199	6,216
London Shippe	2	15.20	3	14.14	3	21.50	3	22.40	British	Furness, Withy & Co.	450.0	58.0	19.0	Glasgow, England	Vancouver, B. C.	Bananas, gen.	1,617	8,662	6,099
Cerro Azul [1]	3	15.35	4	6.10	4	13.30	4	14.40	American	Huasteca Petroleum Co.	480.5	66.0	23.1	Providence, R. I.	Los Angeles, Calif.	Ballast		9,398	6,453
Franklin K. Lane [1]	3	19.15	4	7.35	4	14.21	4	19.11	American	Huasteca Petroleum Co.	435.0	56.2	21.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,405	5,131
Port Bowen	3	20.20	4	8.00	4	15.56	4	17.10	British	Com'lth & Dom. Line	580.7	62.0	28.0	Glasgow, England	Wellington, N. Z.	General	8,000	10,745	7,849
Hofuku Maru	3	23.15	4	9.23	4	16.45	4	18.00	Japanese	Kawasaki Kisen Kaisha	385.0	51.0	22.0	New Orleans, La.	Kobe, Japan	Cotton, steel	4,284	6,212	4,710
Honduras	2	6.08	4	9.45	4	19.08	4	19.08	Norwegian	United Fruit Co.	235.0	33.6	13.6	Mobile, Ala.	Gatun, C. Z. [10]	Bananas	28.	1,270	716

[1] Tanker. [9] General, cattle, and coal. [10] And return to Mobile, Ala.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Myriam [1]	28	2.00	28	6.00	28	14.30	29	3.10	French	Cie. Aux. de Navigation	425.0	57.0	27.0	San Francisco, Cal.	Land's End [12]	Benzine	9,090	7,178	5,072
Benvorlich	28	2.30	28	7.18	28	14.45	28	14.45	British	W. Thomson & Sons	400.0	52.0	24.6	Portland, Oreg.	London, England	Wheat	6,959	5,770	4,073
Arizona	28	3.15	28	8.05	28	16.25	29	22.20	British	French Line	425.0	54.8	25.3	Vancouver, B. C.	Le Havre, France	General	8,079	7,097	4,936
El Panquiaco [11]	25	12.30	28	8.48	28	17.00	28	17.00	Panaman	Panaman Government	125.6	23.5	.....	Panama Bay, R. P.	Cristobal, C. Z.				
Benmour	28	7.30	28	9.25	28	17.45	28	20.40	British	W. Thomson & Sons	403.0	52.0	22.6	Portland, Oreg.	Rotterdam, Holland	General	6,531	5,205	3,899
Laurel	28	13.00	28	13.55	28	20.30	28	20.30	American	Columbia-Pac. Ship. Co	410.5	54.2	26.0	Aberdeen, Wash.	New York, N. Y.	Lumber	7,525	6,755	4,874
La Brea [1]	28	2.35	29	6.32	29	14.30	12–1	18.30	American	Union Oil Co. of Calif.	435.0	56.2	27.4	Los Angeles, Calif.	San Juan, P. R.	Petroleum	5,773	7,150	4,765
Charles H. Cramp	28	21.00	29	7.06	29	14.50	29	14.50	American	Argonaut S. S. Co.	404.6	56.09	26.8	Tacoma, Wash.	Baltimore, Md.	Lumber, general.	5,703	6,755	4,750
Canadian Commander	29	00.41	29	7.51	29	15.50	29	16.50	British	Can. Gov. Mer. Marine	400.0	52.4	18.0	Auckland, N. Z.	Halifax, N. S.	(13)	1,262	5,914	4,194
Cattaro	29	10.35	29	12.32	29	20.20	2	9.05	German	Hamburg-American Line	227.2	34.3	12.3	Buenaventura, Col.	Cristobal, C. Z.	Ballast		1,494	936
Planorbis [1]	30	4.45	30	6.15	30	13.40	30	17.32	British	Anglo-Saxon Pet. Co.	412.0	53.3	24.11	Los Angeles, Calif.	Land's End, Eng.	Gasoline	7,294	6,262	4,340
Chateau Thierry	29	19.55	30	7.17	30	14.15	12–1	15.04	American	U. S. Army	448.0	58.0	24.2	San Francisco, Cal.	New York, N. Y.	Army supplies	95	.....	.....
Tofuku Maru	29	16.15	30	8.06	30	16.30	30	17.45	Japanese	Kokusai Kisen Kaisha	385.0	51.0	26.0	Prince Rupert, B.C.	United Kingdom	Wheat	6,871	5,919	4,400

[1] Tanker. [11] Coast guard. [12] For orders. [13] General, wool, hides, and felts.

MOVEMENTS OF OCEAN VESSELS. Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit		Cleared for sea.		Nationality.	Operator	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Solanieres	29	22 15	30	9 37	30	17 40	30	17 40	American	Transmarine Lines.	324.0	46.2	24.6	Aberdeen, Wash	New York, N. Y.	Lumber	4,000	3,984	2,628
U.S.S. Sapelo [1]	28	16 25	30	9 22	30	17 00	30	17 30	American	U. S. Navy	477.10	69.6	29.0	Los Angeles, Calif	Norfolk, Va.	Fuel oil	11,252		
American	29	23 10	30	9 48	30	18 05	30	18 05	American	Amer.-Hawaiian Line	429.6	53.9	26.6	Seattle, Wash	Boston, Mass	General	6,093	6,789	4,746
Walter A. Luckenbach	30	3 55	30	10 16	30	18 43	30	18 43	American	Luckenbach Line	469.3	56.1	30.0	Portland, Oreg	Boston, Mass	Lumber, general	8,203	8,785	6,567
Nordhav [2]	30	6 00	30	10 47	30	19 15	30	21 05	Danish	Norden S. S. Co	380.0	53.9	24.9	Vancouver, B. C.	Fayal, Azores [3]	Wheat	7,295½	6,183	4,569
Gen. G. W. Getty [4]			30	12 00					American	U. S. Army	98.0	22.0		Balboa, C. Z	Gatun, C. Z.				
City of San Francisco [5]	30	5 42	30	13 14	30	19 55			Panaman	Panama Mail S. S. Co.	296.0	45.0	18.4	San Francisco, Cal	Cristobal, C. Z	General	1,036	3,848	2,606
Horda	30	12 45	30	13 25	30	20 55	30	20 55	Norwegian.	Sea Alberta Lumber Co.	379.9	53.7	25.0	Vancouver, B. C.	New York, N. Y.	Lumber	6,206	5,745	4,135
San Patricio [6]	30	13 00	30	14 02	30	23 2	12-1	3 15	British	Anglo-Mexican Pet. Co.	530.0	66.6	29.7	Los Angeles, Calif	United Kingdom.	Fuel oil	14,571	11,886	8,664
Fortuna [7]	30	7 30	30	14 47	12-1	1 00			Colombian.	Panamente Co	79.3	29.6	77.0	Buenaventura, Col.	Colon, R. P.	Coffee	47	96	60
Pleiades	30	11 15	12-1	6 14	1	13 35	1	13 35	British	Anglo-Saxon Pet. Co	427.3	53.03	26.0	San Francisco, Cal	Land's End [8]	Benzine	7,417	6,325	4,253
Paul Shemp	30	20 30	1	6 31	1	15 10	1	15 10	American	Associated Oil Co.	443.9	58.2	26.6	San Francisco, Cal	New York, N. Y.	Gasoline	9,148	7,333	5,119
Amerikaland [9]	12-1	6 00	1	7 13	1	16 [illegible]	1	16 42	Swedish	Ore S. S. Corp	550.0	72.0	33.6	Cruz Grande, Chile	Baltimore, Md	Iron ore	20,000	15,560	4,426
Ecuador	30	6 10	1	8 07	1	15 55	4	12 30	American	Panama Mail S. S. Co.	380.6	48.7	23.09	San Francisco, Cal	New York, N. Y	General	2,537	5,926	4,178
S. C. T. Dodd [10]	30	13 35	1	8 48	1	17 05	1	17 05	American	Standard Oil Co. of Calif	425.0	57.2	30.0	San Francisco, Cal	New York, N. Y	Gas oil	10,649	7,481	4,975
Hawaiian [11]	30	16 30	1	9 03	1	17 45	1	17 45	American	Atlantic Refining Co	435.6	56.2	27.6	San Francisco, Cal	Philadelphia, Pa.	Gas oil	10,496	7,427	5,187
Poliana	30	15 45	1	9 45	1	18 05	1	18 05	Norwegian.	Wessel, Duval & Co	360.7	52.2	24.4	Antofagasta, Chile	Norfolk, Va.	Nitrate	6,720	5,451	3,820
Robin Gray	30	19 25	1	10 10	1	18 50	1	18 55	American	Seas Shipping Co	440.0	55.0	27.0	Vancouver, B. C.	New York, N. Y.	Lumber	7,590	7,472	5,542
Felix Taussig	12-1	1 05	1	10 46	1	19 25	1	19 25	American	Norton, Lilly & Co.	395.9	53.1	28.03	Seattle, Wash	Baltimore, Md	Lumber, mag'ite	8,185	7,056	4,964
Argon Maru	30	21 55	1	13 14	1	20 05	1	20 05	Japanese.	Osaka Shosen Kaisha.	415.0	55.5	19.7	Taku Bar, China	Boston, Mass	Fish oil, general	4,391	7,209	5,294
Montgomeryshire	12-1	22 00	2	6 25	2	13 50	2	22 15	British	Royal Mail S. P. Co	412.3	55.8	27.7	Vancouver, B. C.	Antwerp, Belgium	General	7,609	7,450	5,498
Aconcagua	2	6 30	2	7 16	2	15 30	2	20 20	Chilean	South American Line.	422.8	56.2	26.4	Valparaiso	New York, N. Y.	General	5,181	7,758	4,705
Notre Dame de Fourviere	2	11 30	2	12 27	2	20 00	3	18 15	French	French Line	446.0	58.2	27.0	Seattle, Wash	Havre, France.	Wheat, general	8,079	8,043	5,434
Losada [12]	2	12 40	3	6.19	3	17 30	4	09 16	British	Pacific Steam Nav. Co	406.0	54.2	25.6	Talcahuano, Chile	Liverpool, England	General	8,141	7,221	4,844
Oneida	2	15 15	3	7 05	3	17 45	3	17 45	American	Ford Motor Co	251.0	43.6	20.0	Seattle, Wash	New York, N. Y.	Gen., auto parts.	2,742	2,656	1,632
Stella	3	1 30	3	7.30	3	18 05			Norwegian	Panama Mail S. S. Co.	195.1	32.9	15.2	Buenaventura, Col.	Cristobal, C. Z	(13)	1,239	985	606
Osiris [14]	2	21 00	3	8 10	3	18 10	3	18 10	German	German-Kosmos Line.	376.12	51.76	24.0	Vancouver, B. C.	Hamburg, Germany	General	6,068	5,788	4,023
Baron Glenconner	2	23 00	3	8 46	3	19 45	3	20 40	British	H. Hogarth & Sons	331.35	48.25	21.0	Caleta Colosa, Chile	Mobile, Ala.	Nitrate	4,950	34,70	2,468
Doriestar	3	1 00	3	9 32	3	20 10	4	2 08	British	Blue Star Line	499.8	64.0	29.0	Vancouver, B. C.	Glasgow, Scotland.	General	9,147	11,673	8,143
Point Penita	3	00 30	3	10 14	3	19 35	3	20 35	American	Swayne & Hoyt	324.0	46.2	22.0	Powell River, B. C	New Orleans, La	General	4,188	3,984	2,617
Oronsay	3	12 00	4	6 21	4	14 10	4	16 15	British	Pacific Steam Nav. Co	520.0	66.5	31.6	Punta Arenas, Chile	Liverpool, England.	General	10,429	14,824	10,627
Agnes F. [15]	3	23 08	4	6 21	4				Panaman	Pacific Fruit Co	57.8	19.7	8.0	Panama Bay, R. P.	Gatun, C. Z	Bananas	19	57	29
New Britain	3	15 15	4	7 14	4	15 05	4	15 05	American	Black Diamond S. S. Co	386.8	52.2	23.6	Los Angeles, Calif	New York, N. Y.	Lumber, general.	5,606	5,684	4,082

[1] Tanker. [14] Motor ship. [15] Tug. [16] Motor schooner. [17] Commercial launch. [18] For orders. [19] Coffee, hides, and treasure.

Agwibay	3	14.40	4	8.16	4	15.57	4	15.57	American	Inter. Shipping Corp.	468.3	62.7	27.8	Los Angeles, Calif.	New York, N. Y.	Crude oil	12,000	9,776	6,903
Eastern Planet	3	16.00	4	8.27	4	16.10	4	17.45	American	Roosevelt S. S. Co. S. B.	384.8	51.2	15.06	Adelaide, Australia	Boston, Mass.	Wool, general	846	6,235	4,480
Anniston City	3	20.30	4	9.10	4	17.05	4	17.05	American	Isthmian S. S. Lines	424.2	56.2	26.0	Everett, Wash.	Portsmouth, R. I.	Lumber	7,300	7,611	5,500
U.S.S.Ramapo [1]	4	6.20	4	9.45	4	18.10	7	6.20	American	U. S. Navy	461.6	66.0	27.0	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	10,762		
British Beacon [1]	4	9.29	4	10.25	4	18.40	4	23.15	British	British Tankers, Ltd.	430.0	57.0	28.0	Los Angeles, Calif.	Land's End, Eng.	Fuel oil	8,666	7,202	4,932
Major D. D. Pullen [20]			4		4	15.50			American	U. S. Army				Balboa, C. Z.	Cristobal, C. Z.				

[1] Tanker. [20] Launch. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

*ARRIVALS.				*DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
November 28	Ulua	United Fruit Co.	Port Limon, Costa Rica.	November 28	Ulua	United Fruit Co.	New York via Habana.
November 28	Parismina	United Fruit Co.	New Orleans via Habana.	November 28	Parismina	United Fruit Co.	Port Limon, Costa Rica.
November 28	San Mateo	United Fruit Co.	New York via wayports.	November 28	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
November 28	Tracy [21]	U. S. Navy	Nicaragua.	November 28	Tracy [21]	U. S. Navy	Nicaragua.
November 28	Westerwald	Hamburg-American Line	Hamburg, Germany.	November 29	Westerwald	Hamburg-American Line	Port Limon, Costa Rica.
November 29	Caberia [22]	A. Tagaropulos	Colon, Rep. of Panama.	November 29	San Mateo	United Fruit Co.	Puerto Colombia, Col.
November 29	Toloa	United Fruit Co.	New York via Habana.	November 29	Caberia [22]	A. Tagaropulos	Colon, Rep. of Panama.
November 30	Rugia	Hamburg-American Line	Hamburg via wayports.	December 1	Rugia	Hamburg-American Line	Port Limon, Costa Rica.
December 1	Atenas	United Fruit Co.	New Orleans via Habana.	December 1	Parismina	United Fruit Co.	New Orleans via Habana.
December 1	Parismina	United Fruit Co.	Port Limon, Costa Rica.	December 1	Toloa	United Fruit Co.	Port Limon, Costa Rica.
December 1	Patuca	Elders & Fyffes, Ltd.	Avonmouth via wayports	December 1	Patuca	Elders & Fyffes, Ltd.	Santa Marta, Colombia.
December 1	Santa Marta	United Fruit Co.	New York via wayports.	December 1	Inapaquina [22]	United Fruit Co.	Colon, Rep. of Panama.
December 1	Inapaquina [22]	United Fruit Co.	Colon, Rep. of Panama.	December 1	Terror [23]	A. Tagaropulos	Colon, Rep. of Panama.
December 1	Terror [23]	A. Tagaropulos	Colon, Rep. of Panama.	December 1	Willinnis [23]	M. Cosaraquis	Colon, Rep. of Panama.
December 1	Willinnis [23]	M. Cosaraquis	Colon, Rep. of Panama.	December 2	Santa Marta	United Fruit Co.	Colombian ports.
December 2	Favorita	Standard Fruit S. S. Co.	New Orleans, La.	December 2	Carrillo	United Fruit Co.	New York via Kingston.
December 2	Carrillo	United Fruit Co.	Colombian ports.	December 2	Atenas	United Fruit Co.	New Orleans via wayports.
December 2	Flandre	French Line	Havre via wayports.	December 2	Favorita	Standard Fruit S. S. Co.	San Blas, Rep. of Panama
December 3	Esparta	United Fruit Co.	Cartagena, Colombia.	December 3	Flandre	French Line	Havre via wayports.
December 3	La Perla	United Fruit Co.	Halifax via wayports.	December 3	Linda S. [22]	Surgeon Brothers	Bluefields, Nicaragua.
December 3	Favorita	Standard Fruit S. S. Co.	San Blas, Rep. of Panama.	December 4	La Perla	United Fruit Co.	Boston via Kingston.
December 3	Linda S. [22]	Surgeon Brothers	Colon, Rep. of Panama.	December 4	Favorita	Standard Fruit S. S. Co.	New Orleans, La.
				December 4	Esparta	United Fruit Co.	New York, N. Y.

[21] Destroyer. [22] Motor schooner. [23] Schooner.

PORT OF BALBOA.

November 29	Nora	Grace Line	Los Angeles, Calif.	November 30	Nora	Grace Line	Los Angeles, Calif.
December 2	Kathay [24]	R. W. Weston	San Diego, Calif.				
December 3	Albermarle [22]	Hugo Stray	San Cristobal, Gallapagos.				

[24] Motor yacht.

* Other than ships passing through the Canal.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending December 4, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Cristobal	Panama Railroad S. S. Line		November 28		2,728
Ulua	United Fruit Co	November 28	November 28	28	36
Parismina	United Fruit Co	November 28	November 28	697	9
San Mateo	United Fruit Co	November 28	November 29	(1)	866
Westerwald	Hamburg-American Line	November 28	November 29	214	(2)
Noorderdijk	Holland-American Line	November 28	November 29	178	79
Architect	Leyland Line	November 28	November 29	680	(2)
Jamaica	Pacific Steam Navigation Co		November 29		794
Arizona	French Line	November 28	November 29	952	415
La Brea	Union Oil Co	November 29	December 1	1,353	(2)
Toloa	United Fruit Co	November 29	December 1	690	25
Cattaro	Hamburg-American Line	November 29	December 2	(1)	1,000
City of San Francisco	Panama Mail S. S. Co	November 30		1,036	
Saint Louis	French Line	November 30	December 1	220	339
Rugia	Hamburg-American Line	November 30	December 1	277	145
Parismina	United Fruit Co	December 1	December 1	(3)	258
Atenas	United Fruit Co	December 1	December 2	832	129
Ashbee	Grace Line	December 1	December 2	182	170
Santa Marta	United Fruit Co	December 1	December 2	55	103
Ecuador	Panama Mail S. S. Co	December 1	December 4	799	1,000
Fortuna	Panamente Co	December 1		47	
Mantaro	Peruvian Line	December 1	December 2	(1)	55
London Shipper	Furness-Pacific Line	December 2	December 3	(1)	135
Flandre	French Line	December 2	December 3	98	217
Notre Dame de Fouviere	French Line	December 2	December 3	259	82
Aconcagua	Chilean Line	December 2	December 2	(1)	51
Favorita	Standard Fruit S. S. Co	December 2	December 2	208	26
Carrillo	United Fruit Co	December 2	December 2	(1)	3
Honduras	United Fruit Co	December 2	December 4	(1)	476
La Perla	United Fruit Co	December 3	December 4	39	76
Esparta	United Fruit Co	December 3	December 4	265	455
Stella	Panama Mail S. S. Co	December 3		1,087	
Linda S	Surgeon Brothers	December 3	December 3	(1)	50½
Losada	Pacific Steam Navigation Co	December 3	December 4	(1)	95
Favorita	Standard Fruit S. S. Co	December 3	December 4	(1)	1,551
Oropesa	Pacific Steam Navigation Co	December 4	December 4	10	13

[1] No cargo discharged. [2] No cargo laded. [3] 181 pounds.

Commercial Traffic Through the Panama Canal in November, 1926, by Trade Routes.

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered gross.	Tonnage. Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	67	276,095	352,281	443,175	275,779	$295,970.77	209,603
United States to Far East:							
British	5	16,124	26,377	26,251	16,122	20,155.00	33,697
Japanese	6	25,385	31,601	39,851	25,104	31,731.25	35,521
Norwegian	1	2,495	4,265	4,333	2,494	3,118.75	4,080
United States	7	33,245	39,689	47,338	33,080	41,556.25	46,864
Totals	19	77,249	101,932	117,773	76,800	96,561.25	120,162
Europe to west coast of South America:							
British	7	32,864	41,513	54,522	33,523	41,080.00	26,651
Dutch	4	4,613	5,361	7,629	4,467	5,500.25	6,698
French	1	3,339	4,170	5,505	3,366	4,173.75	1,662
German	3	10,256	14,804	17,015	10,285	12,820.00	17,765
Italian	1	3,474	4,280	6,161	3,483	4,342.50	742
Spanish	1	3,017	3,844	5,205	3,226	3,771.25	228
Totals	17	57,563	73,972	96,037	58,350	71,687.75	53,746
East coast of United States to Australasia:							
British	14	53,968	74,101	86,744	53,906	67,460.00	87,160
United States	3	12,551	14,003	17,863	12,443	15,348.60	9,224
Totals	17	66,519	88,104	104,607	66,349	82,808.60	96,384

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
East coast of United States to west coast of South America:							
British	2	6,259	7,924	10,967	6,582	$7,812.50	6,813
Chilean	1	3,479	4,672	7,310	3,976	4,348.75	2,626
Peruvian	1	1,483	1,529	2,155	1,169	1,834.80	2,501
Swedish	2	7,486	8,917	30,676	8,762	6,420.24	.....
United States	10	38,730	46,965	65,102	38,791	37,186.47	12,139
Totals	16	57,428	70,007	116,210	59,280	57,602.76	24,079
Europe to west coast of Canada:							
British	7	32,031	41,542	51,917	32,231	34,605.30	8,468
Dutch	3	16,039	20,223	25,434	16,047	20,048.75	5,335
French	2	7,505	10,397	12,253	7,506	9,381.25	1,231
German	1	2,624	4,027	4,454	2,618	3,280.00	5,501
United States	1	2,839	4,161	4,711	2,814	3,548.75	6,425
Totals	14	61,038	80,350	98,769	61,216	70,864.05	26,960
Europe to west coast of United States:							
British	6	22,976	27,190	35,023	21,058	19,576.80	.....
Danish	1	2,374	3,516	3,953	2,394	2,967.50	4,302
Dutch	1	3,631	4,317	5,792	3,379	3,108.24	.....
Norwegian	1	2,929	3,706	4,821	2,969	3,661.25	5,130
Swedish	1	2,781	4,860	4,960	3,665	3,476.25	5,730
United States	2	10,406	13,014	16,932	10,333	9,370.08	.....
Totals	12	45,097	56,603	71,481	43,798	42,160.12	15,162
Europe to Australasia:							
British	7	38,948	52,138	63,653	39,444	48,685.00	46,146
Swedish	1	3,455	5,384	5,750	4,226	4,318.75	6,600
Totals	8	42,403	57,522	69,403	43,670	53,003.75	52,746
Cristobal, C. Z., to west coast of South America:							
Colombian	3	1,528	1,761	2,441	1,485	1,900.60	2,749
German	2	1,307	1,607	2,337	1,297	1,633.75	2,029
Panaman	2	226	248	414	218	282.50	608
Totals	7	3,061	3,616	5,192	3,000	3,816.85	5,386
East coast of United States to west coast of Canada:							
Swedish	1	1,307	1,513	1,600	1,054	1,633.75	2,538
United States	3	11,352	14,323	18,293	11,334	14,190.00	23,748
Totals	4	12,659	15,836	19,893	12,388	15,823.75	26,286
Paraiso, C.Z., to Balboa, C.Z.:							
German	3	266	266	266	266	199.50	.....
Cristobal, C. Z., to west coast of United States:							
Panaman	1	1,384	2,606	3,644	2,594	1,730.00	3,503
United States	2	9,794	12,211	15,838	9,824	8,791.92	.....
Totals	3	11,178	14,817	19,482	12,418	10,521.92	3,503
Cristobal, C.Z., to Balboa, C.Z.:							
Panaman	3	101	115	181	101	87.51	.....
East coast of United States to Philippines:							
British	1	3,771	6,152	6,376	3,874	4,713.75	6,040
United States	1	4,973	6,612	7,587	4,808	6,216.25	7,654
Totals	2	8,744	12,764	13,963	8,682	10,930.00	13,694
Around the world:							
United States	2	12,505	17,711	21,060	12,505	15,631.25	8,840
East coast of Canada to Australasia:							
British	2	7,658	9,588	12,582	7,744	9,572.50	7,851
West Indies to Far East:							
British	1	3,560	4,514	5,587	3,513	4,450.00	7,350
Japanese	1	4,223	4,611	5,838	4,219	5,278.75	6,036
Totals	2	7,783	9,125	11,425	7,732	9,728.75	13,386

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
East coast of Canada to west coast of United States:							
British	2	11,834	13,729	20,241	11,989	$9,884.88	.....
Cristobal, C.Z., to west coast of Central America:							
British	2	1,252	1,328	2,308	1,256	1,543.90	2,001
West Indies to west coast of United States:							
United States	1	145	130	284	145	198.75	..
East coast of South America to west coast of Canada:							
Norwegian	1	2,728	4,722	4,624	2,765	3,410.00	6,884
East coast of South America to west coast United States:							
United States	1	3,517	4,989	5,550	3,617	4,396.25	6,045
Europe to west coast Central America:							
German	1	2,846	3,610	4,561	2,864	3,557.50	3,897
Foreign vessels in ballast—United States coastwise:							
British	1	5,276	5,941	8,621	5,208	4,277.52	..
East coast of Canada to west coast South America:							
British	1	5,317	6,304	9,000	5,368	4,538.88	..
Cristobal, C.Z., to Gatun, C.Z.:							
Panaman	1	30	30	34	30	22.50	....
West Indies to Gatun Lake, C.Z:							
Norwegian	1	666	685	1,186	691	822.00	....
East coast of United States to Gatun Lake, C.Z.:							
Norwegian	1	687	716	1,255	704	858.75	.....
Totals, November, 1926	211	781,645	1,006,793	1,279,163	784,715	880,392.01	696,615
Totals, November, 1925	222	863,155	1,087,189	1,402,682	868,602	944,915.69	587,087
Totals, November, 1924	198	778,281	985,377	1,246,431	775,416	868,630.78	610,160

PACIFIC TO ATLANTIC.

United States intercoastal:							
United States	71	302,829	386,969	485,165	302,214	$378,273.55	604,999
West coast of Canada to Europe:							
British	10	38,445	52,023	60,096	37,311	48,056.25	66,589
Danish	1	2,707	4,569	4,465	2,730	3,383.75	7,295
Dutch	2	10,626	13,685	16,993	10,607	13,282.50	16,838
French	3	11,858	14,600	18,980	11,717	14,822.50	25,163
German	1	3,752	5,799	6,053	3,785	4,690.00	7,746
Italian	1	3,764	4,421	6,107	3,883	4,705.00	3,700
Japanese	5	21,825	22,760	29,232	21,301	26,774.10	36,104
Swedish	3	9,714	16,113	16,156	12,210	12,142.50	22,400
United States	1	3,842	5,239	6,157	3,801	4,802.50	7,427
Totals	27	106,533	139,209	164,239	107,345	132,659.10	193,262
West coast of South America to east coast United States:							
British	3	9,255	12,935	16,031	9,598	11,568.75	12,233
Chilean	1	3,479	4,672	7,289	3,886	4,348.75	5,367
Danzig	1	6,403	8,085	8,966	5,107	8,003.75	13,200
German	1	3,632	4,622	5,918	3,628	4,540.00	8,173
Norwegian	2	9,312	9,949	13,624	9,353	11,394.05	19,630
Peruvian	1	2,073	2,621	3,287	1,993	2,591.25	3,401
Swedish	1	423	483	869	534	528.75	865
United States	15	57,289	67,919	97,863	57,204	71,345.85	166,598
Totals	25	91,866	111,286	153,838	91,303	114,321.15	229,467

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
West coast of United States to Europe:							
British	14	55,140	67,200	89,166	55,539	$68,925.00	116,585
Belgian	1	3,187	4,053	5,167	3,181	3,983.75	6,822
Danish	1	4,297	5,286	6,636	4,236	5,258.75	9,798
Danzig	1	5,193	5,929	8,745	5,026	6,491.25	11,427
French	2	8,274	9,499	13,269	7,919	10,342.50	17,102
German	2	8,149	10,835	13,226	8,171	10,186.25	15,872
Italian	1	4,686	5,552	7,714	4,662	5,857.50	8,798
Japanese	2	8,748	8,823	11,725	8,552	10,587.60	14,954
Totals	24	97,584	117,177	155,648	97,286	121,632.60	201,358
West coast of South America to Europe:							
British	4	15,960	19,553	25,179	15,639	19,950.00	24,316
Dutch	2	10,429	12,429	17,773	10,117	13,036.25	23,526
French	2	7,904	9,219	12,565	7,915	9,880.00	12,594
German	4	11,483	16,286	18,867	11,566	14,353.75	24,894
Italian	2	6,945	7,962	10,073	5,885	8,406.85	9,532
Peruvian	1	4,337	5,213	7,073	4,373	5,421.25	6,484
Spanish	1	2,459	2,827	4,349	2,565	3,073.75	1,653
Totals	16	59,517	73,489	95,879	58,060	74,121.85	102,999
West coast of Canada to east coast United States:							
British	1	3,596	4,995	5,697	3,625	4,495.00	8,475
Norwegian	4	11,624	15,591	18,162	11,155	14,530.00	25,536
United States	2	5,879	7,854	9,967	5,779	7,348.75	12,996
Totals	7	21,099	28,440	33,826	20,559	26,373.75	47,007
Balboa, C.Z., to Cristobal, C.Z.:							
Panaman	6	180	218	334	200	200.80	64
Australasia to Europe:							
British	5	24,105	32,021	38,318	24,179	30,131.25	31,911
West coast of United States to Cristobal, C. Z.:							
British	1	4,418	5,127	6,981	4,420	5,522.50	8,828
Panaman	2	2,768	5,212	6,105	3,978	3,460.00	1,424
United States	2	9,794	12,211	15,538	9,824	12,242.50	25,603
Totals	5	16,980	22,550	28,924	18,222	21,225.00	35,855
Far East to east coast United States:							
Japanese	2	8,767	11,436	13,970	8,659	10,958.75	10,406
Norwegian	1	2,452	4,236	4,300	2,455	3,066.25	5,833
United States	2	9,670	12,588	15,218	9,585	12,087.50	5,123
Totals	5	20,890	28,260	33,488	20,649	26,112.50	21,362
West coast of South America to Cristobal, C. Z.:							
Colombian	1	49	60	97	49	61.25	49
German	1	823	936	1,424	810	673.92	.....
Panaman	1	113	124	207	109	141.25	219
Peruvian	1	1,515	2,959	4,617	2,427	1,893.75	1,962
Totals	4	2,500	4,079	6,345	3,395	2,770.17	2,230
Australasia to east coast of Canada:							
British	4	14,229	17,612	23,100	14,211	17,786.25	5,475
West coast of United States to West Indies:							
Swedish	1	869	1,574	1,593	1,055	1,086.25	2,538
United States	2	8,103	9,499	13,052	8,100	8,605.98	5,773
Totals	3	8,972	11,073	14,645	9,155	9,692.23	8,311
West coast of South America to Cristobal, C. Z.:							
Colombian	1	81	92	153	68	101.25	121
German	2	1,307	1,607	2,337	1,297	1,633.75	574
Totals	3	1,388	1,699	2,490	1,365	1,735.00	695

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
West coast of United States to east coast of Canada:							
British	1	6,598	7,658	11,309	6,845	$8,247.50	14,463
Norwegian	1	4,108	5,131	6,552	4,122	5,135.00	8,523
Totals	2	10,706	12,789	17,861	10,967	13,382.50	22,986
West coast of United States to east coast of South America:							
United States	2	8,791	11,058	14,251	8,830	10,988.75	20,600
West coast of South America to east coast Canada:							
British	1	5,317	6,304	9,000	5,368	6,646.25	12,763
United States	1	5,627	7,492	8,983	5,644	7,033.75	15,345
Totals	2	10,944	13,796	17,983	11,012	13,680.00	28,108
West coast of South America to Egypt:							
British	1	3,141	5,015	5,151	3,162	3,926.25	8,300
Italian	1	3,444	3,964	5,398	3,450	4,305.00	7,150
Totals	2	6,585	8,979	10,549	6,612	8,231.25	15,450
West coast of Central America to Cristobal, C. Z.:							
British	2	1,252	1,328	2,308	1,256	1,543.90	664
West coast of United States to east coast of Mexico:							
Danish	1	1,715	2,166	2,952	1,748	2,143.75	2,300
West coast of South America to east coast of South America:							
Colombian	1	1,283	1,506	2,055	1,251	1,603.75	132
Gatun Lake, C.Z., to east coast of United States:							
Norwegian	[1] 2	[1] 1,353	[1] 941	[1] 2,441	[1] 1,395	[1] 1,680.75	599
Grand totals, Nov., 1926	217	809,948	1,025,695	1,304,198	809,819	1,008,609.10	1,575,834
Grand totals, Nov., 1925	202	744,718	940,845	1,210,225	747,602	925,171.99	1,436,311
Grand totals, Nov., 1924	186	706,455	887,154	1,133,432	715,055	882,306.22	1,351,433

[1] These 2 vessels entered the Canal at Cristobal and proceeded as far as Gatun Lake, where after taking on cargoes of bananas, they returned to the Atlantic entrance of the Canal. As vessels transiting the Canal as far as Gatun Lake only are entitled to return to Canal port of entry without payment of tolls for return voyage, the only items taken up in connection with these transits in the Pacific-to-Atlantic traffic statistics is the amount of cargo tonnage.

Transit of New Peruvian Submarines.

Two new submarines for the Peruvian Navy, the *R–1* and *R–2*, recently constructed at New London, Conn., arrived at Cristobal, November 28, 1926, en route from Norfolk, Va., to Callao.

After a week's stay at Coco Solo, transit of the Canal was made on December 6, and the submarines cleared for Callao on that day.

The *R–1* and *R–2* are 186 feet long, with a beam of 18 feet and have a displacement tonnage of 575.

Stevedoring at Canal Terminal Docks.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., *December 2, 1926.*

To all concerned.—The report of the Committee of the American Steamship Owners' Association re stevedoring in the Canal Zone, and the Association's action thereon, has not yet been received. As the undersigned must leave for the United States on a business trip on December 5, 1926, and the date of return is uncertain, and as agreement has been made with local steamship agents that final action would not be taken without granting them a further hearing, the effective date of the provisions of circular of July 1, 1926, is postponed to 1 a. m., March 1, 1927.

M. L. WALKER,
Governor.

Tanker Traffic Through the Panama Canal in November, 1926.

During the month of November, 90 tank ships transited the Canal, with an aggregate net tonnage, Panama Canal measurement, of 525,132, on which tolls of $459,077.19 were collected. In point of net tonnage, tanker traffic for the past month showed an increase of approximately 0.7 per cent over the same traffic for the corresponding month a year ago, while cargo tonnage showed an increase of 17 per cent over the cargo tonnage of November, 1925.

Tank ships comprised 21 per cent of the total commercial transits of the Canal during the month; made up approximately 25.8 per cent of the total Panama Canal net tonnage; were the source of 24.3 per cent of the total tolls collected; and carried approximately 21.7 per cent of the total cargo in transit through the Canal.

The number, aggregate tonnage, tolls, and cargo of tank ships transiting the Canal during the month of November, 1926, segregated by direction of transit and nationality of vessels, are shown in the following tabulations, with comparative totals for the two preceding months and for November, 1925:

Nationality.	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
British	8	43,349	$31,211.28	.....
Dutch	1	4,317	3,108.24	.....
United States	35	206,398	148,678.14	.....
Totals, November, 1926	44	254,064	182,997.66	.....
Totals, October, 1926	46	258,496	186,495.81	.....
Totals, September, 1926	59	330,025	244,057.21	34,757
Totals, November, 1925	51	313,210	230,964.80	22,865
Pacific to Atlantic.				
British	9	54,409	58,577.50	98,134
Danzig	2	14,014	14,495.00	24,627
French	2	9,499	10,342.50	17,102
United States	33	193,146	192,664.53	353,317
Totals, November, 1926	46	271,068	276,079.53	493,180
Totals, October, 1926	59	331,919	336,060.70	625,880
Totals, September, 1926	60	345,775	353,531.05	665,826
Totals, November, 1925	39	207,868	215,423.20	389,893

Of the total tanker traffic shown above, the following is a summary of the vessels showing Los Angeles as their port of origin or destination with the totals for the two preceding months and for November, 1925:

	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
To Los Angeles.				
November, 1926	36	204,960	$147,571.20	.....
October, 1926	37	208,076	150,106.41	.....
September, 1926	45	251,469	181,129.26	.....
November, 1925	44	271,259	196,013.52	.....
From Los Angeles.				
November, 1926	36	208,165	212,845.78	374,234
October, 1926	46	262,811	266,679.45	493,562
September, 1926	48	284,604	290,309.80	550,743
November, 1925	29	154,002	161,514.45	290,175

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines, and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Supplements to Tariff No. 8.

Supplements Nos. 10, 11, and 12 to Tariff No. 8, "Schedule of Rates for Supplies and Services Furnished to Shipping and Allied Interests at the Panama Canal," were issued in the month of November, 1926, and distributed to interests concerned. The texts of these three supplements are as follows:

Supplement No. 10—Tariff No. 8.

THE PANAMA CANAL, PANAMA RAILROAD COMPANY,
EXECUTIVE OFFICE, BALBOA HEIGHTS, C. Z., *November 2, 1926.*

ITEM 5.—TUGS, SUPPLY BOATS, AND LAUNCHES.

1. Steamship tourist agents have at various times requested The Panama Canal to make a reduction in the regular hourly rates for the use of tugs and launches for tourist excursions to points of interest in Canal Zone waters, and along the Atlantic and Pacific Coasts, such as Fort San Lorenzo, Porto Bello, San Blas, and Pearl Islands, and for flat rates per day or per trip, according to the length of time and/or the number of passengers.
2. Tugs and launches are primarily maintained for use in connection with the transit of vessels through the Canal and for ordinary harbor work, and The Panama Canal can not guarantee the availability of such equipment for tourist excursions considerably in advance. Neither is it in position to name flat rates per day or per trip.
3. Effective at once:
   (*a*) When such trips require the use of equipment for periods of twelve (12) hours or less, a reduction of 25 per cent in the hourly rate will be made for all idle time due to passengers being on shore at points to be visited. There will be no reduction for a fraction of an hour.
   (*b*) When such trips extend over twelve (12) hours, a reduction of 25 per cent will be made for each full hour over the first twelve (12), in addition to the reduction of 25 per cent for idle time during the first twelve (12) hours.
   (*c*) If the tug *Favorite* is used, the rate will be same as for large tugs in Paragraph 1 of Item 5, without making the additional charge provided for trips to sea covered in Paragraph 4 of Item 5.
   (*d*) The rates for the new tug *Coco Solo No. 2* will be $15 for the first hour or fraction thereof and $3.75 for each succeeding quarter hour or fraction thereof.
   Reductions in (*a*) and (*b*) apply to (*c*) and (*d*).
4. Information regarding equipment which may be available for such trips, number of passengers, etc., may be obtained from the Marine Superintendent.

M. L. WALKER,
Governor, The Panama Canal.
President, Panama Railroad Company.

Supplement No. 11—Tariff No. 8.

THE PANAMA CANAL, PANAMA RAILROAD COMPANY,
EXECUTIVE OFFICE, BALBOA HEIGHTS, C. Z., *November 6, 1926.*

ITEM 10.—MOORING TO BUOYS.

(Effective November 10, 1926.)

Add Paragraph 6:

Under no circumstances will vessels be permitted to transfer cargo direct from one to the other at mooring buoys, unless there is no berthing space available at any of the piers. (See Paragraph 26, Item 34, amended below.)

ITEM 12.—WHARFAGE.

(Effective November 10, 1926.)

Paragraph 3—Add:

When one vessel is allowed to lie alongside another vessel at the piers, the wharfage charge for the outer vessel shall be one half of the regular tariff. (See Paragraph 26, Item 34 below, covering transfer of cargo between such vessels.)

ITEM 34.—STEVEDORING AND TRANSFERRING CARGO.

(Effective November 10, 1926.)

Paragraph 25 (Canceling Paragraph 25 and 26, Page 41, Tariff 8):

Bananas or other native produce may be delivered to ocean-going vessels in Gatun Lake or in Canal Zone harbors by small coasting craft, upon payment of a right of basin charge of $0.50 per ton for cargo handled in Balboa and Cristobal harbors, and $0.25 per ton for cargo loaded in Gatun Lake.

Vessels receiving cargo in this manner shall notify the Receiving and Forwarding Agent, Panama Railroad Company, of amount so handled, either by copy of manifest, or letter.

Under no circumstances, however, will vessels be permitted to transfer cargo direct from one to the other in Canal Zone waters, away from the piers, unless there is no berthing space available at the piers.

Paragraph 26 (Taking place of canceled Paragraph 26, Page 41, Tariff 8).

When one vessel is allowed to lie alongside another vessel at the piers or in Canal Zone water away from the piers, when no berthing space is available, requests to transfer cargo from one directly into the other, will be acted upon in each case by the Governor, The Panama Canal, and each request will be considered solely on its merits. The decision in any one case, in no way sets a precedent for future cases. For general cargo transferred direct from vessel to vessel where no work is performed by The Panama Canal or Panama Railroad Company, the charge shall be, per ton.....$1.00

Ocean-going vessels transferring cargo under the provisions of this paragraph, shall furnish the Panama Railroad Company with complete manifests covering all cargo transferred, in order that complete statistical records may be kept as to cargo transhipped at the Isthmus, and permit a Panama Railroad representative to be present during such transfer.

M. L. WALKER,
Governor, The Panama Canal.
President, Panama Railroad Company.

Supplement No. 12—Tariff No. 8.

THE PANAMA CANAL, PANAMA RAILROAD COMPANY,
EXECUTIVE OFFICE, BALBOA HEIGHTS, C. Z., *November 27, 1926.*

ITEM 39.—PANAMA RAILROAD FREIGHT CLASSIFICATION AND TARIFF.

(Effective November 23, 1926.)

Paragraph 2—Add:

(*s*) Scrap of all kinds, second-hand or obsolete material, equipment or property, purchased from The Panama Canal, or the Panama Railroad Company, in carload or less than carload lots, any distance, per 100 pounds.....$0.20

M. L. WALKER,
Governor, The Panama Canal.
President, Panama Railroad Company.

Supplement No. 4 to Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., *November 29, 1926.*

The following additional regulation is hereby established:

M. L. WALKER,
Governor.

(This Regulation should be inserted in Chapter VI, page 22, of "*Rules and Regulations Governing Navigation of the Panama Canal,*" 1925 edition.)

REGULATION 61.4. Whenever a suction dredge pipe-line is laid in navigable waters, it shall be marked at night by red lights at intervals of 200 feet. The lights marking the limits of the gate shall be a vertical display of a white and a red light, the white light to be over the red light and not less than 4 feet above it. These lights shall show all around the horizon and shall be visible at least one mile.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Location of Patients and Visiting Hours, at Ancon Hospital.

The following table shows the distribution of patients in the Ancon hospital buildings and the visiting hours for the various wards and sections:

Section and Ward.	Visiting Hours.
Section "B:"	
Ward 5, Male, private rooms, American boys	Daily 9.30 to 11 a. m.; 2.00 to 4.30 p. m.; 6.30 to 8.00 p. m. (No visitors permitted in nursery.)
Ward 6, Foreign, male and female, private rooms, American girls	
Ward 7, White female, private rooms	
Ward 8, Obstetrical department, white females (Nursery)	
Section "C:"	
Ward 9, White foreign, male	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p. m.
Ward 11, Colored, male, surgical	
Ward 12, Colored, male, medical, eye and ear	
Ward 13, Colored, male, G. U	
Ward 14, American, male, G. U	
tion "D:"	
Ward 15, American, male, surgical	Tuesdays, Thursdays, and Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m.
Ward 16, American, male, medical, eye and ear	Sundays and holidays, 9.30 to 11 a. m.; 2.30 to 4.30 p. m.
Ward 17, Colored children	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 18, White children	Daily 9.30 to 11 a. m.; 2 to 4 p. m.
Ward 19, Colored, female, medical	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 20, Colored, female, surgical, obstetrical	
Isolation	No visitors permitted except to visit tuberculosis patients. Thursdays, Sundays, and holidays, 1.30 to 3 p. m.

Permission to visit outside of visiting hours will be granted upon application to the Superintendent's Office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective November 30, 1926:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.23
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.44
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.16
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.14
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.14
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.18
Waste, cotton, white	Lb.	.21

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity..... $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity..... .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.05 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $10.00 per ton of 2,240 pounds at Cristobal, and $13.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $10.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $11.00 per ton at Cristobal, $14.00 at Balboa. If less than 50 tons is taken from lighters, prices are $13.00 per ton at Cristobal and $16.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $11.00 Cristobal and $14.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Official Circulars.

Acting Governor.

THE PANAMA CANAL, EXECUTIVE DEPT.,
BALBOA HEIGHTS, C. Z., December 3, 1926.

To all concerned.—Effective the 6th instant, and during my absence from the Isthmus, Col. Harry Burgess, U. S. A., Engineer of Maintenance, will be Acting Governor.

M. L. WALKER,
Governor.

Acting President, Panama Railroad Company.

PANAMA RAILROAD COMPANY,
OFFICE OF THE PRESIDENT,
BALBOA HEIGHTS, C. Z., December 3, 1926.

To all concerned.—Effective the 6th instant, and during my absence from the Isthmus, Col. Harry Burgess, U. S. A., Second Vice President, will perform such duties of the President as relate to the operations of the Company on the Isthmus.

M. L. WALKER,
President.

Ships' Chandlery Supplies.

Panama Canal storehouses stock a complete line of ships' chandlery supplies available for sale to shipping at cost prices plus 25 per cent surcharge, which surcharge includes freight, handling, and other costs.

Hours of Departure of Passenger Trains.

Following are the hours of departure of the passenger trains of the Panama Railroad running between the Atlantic and the Pacific:

From Colon: 9.10 a. m., 12.15 p. m., 4 p. m.
From Panama: 7 a. m., 12.15 p. m., 6.10 p. m.

The trains leaving at 12.15 p. m. do not run on Sundays and holidays; the others are daily

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

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Entered as second-class matter February 6, 1918, at the Post Office at Cristobal, C. Z., under the Act of March 3, 1879.

Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., December 15, 1926. No. 19.

Traffic by Nationality for November, 1926.

The following tabulations show the commercial traffic through the Canal during the month of November, 1926, classified according to nationality of vessels, by direction of transit, and the combined traffic in both directions, together with corresponding totals for November, 1925 and 1924:

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
British	58	241,829	318,341	393,792	241,818	$278,356.03	232,177
Chilean	1	3,479	4,672	7,310	3,976	4,348.75	2,626
Colombian	3	1,528	1,761	2,441	1,485	1,900.60	2,749
Danish	1	2,374	3,516	3,953	2,394	2,967.50	4,302
Dutch	8	24,283	29,901	38,855	23,893	28,657.24	12,033
French	3	10,844	14,567	17,758	10,872	13,555.00	2,893
German	10	17,299	24,314	28,633	17,330	21,490.75	29,192
Italian	1	3,474	4,280	6,161	3,483	4,342.50	742
Japanese	7	29,608	36,212	45,689	29,323	37,010.00	41,557
Norwegian	5	9,505	14,094	16,219	9,623	11,870.75	16,094
Panaman	7	1,741	2,999	4,273	2,943	2,122.51	4,111
Peruvian	1	1,483	1,529	2,155	1,169	1,834.80	2,501
Spanish	1	3,017	3,844	5,205	3,226	3,771.25	228
Swedish	5	15,029	20,674	42,986	17,707	15,848.99	14,868
United States	100	416,152	526,089	663,733	415,473	452,315.34	330,542
Totals, November, 1926	211	781,645	1,006,793	1,279,163	784,715	880,392.01	696,615
Totals, November, 1925	222	863,155	1,087,189	1,402,682	868,602	944,915.69	587,087
Totals, November, 1924	198	778,281	985,377	1,246,431	775,416	868,630.78	610,160

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
Belgian	1	3,187	4,053	5,167	3,181	$3,983.75	6,822
British	47	181,456	231,771	292,336	181,153	226,798.90	310,602
Chilean	1	3,479	4,672	7,289	3,886	4,348.75	5,367
Colombian	3	1,413	1,658	2,305	1,368	1,766.25	392
Danish	3	8,629	12,021	14,053	8,714	10,786.25	19,393
Danzig	2	11,596	14,014	17,711	10,133	14,495.00	24,627
Dutch	4	21,055	26,114	34,766	20,724	26,318.75	40,364
French	7	28,036	33,318	44,814	27,551	35,045.00	54,859
German	11	29,146	40,085	47,825	29,257	36,077.67	57,259
Italian	5	18,839	21,899	29,292	17,880	23,274.35	29,180
Japanese	9	39,340	43,019	54,927	38,462	48,320.45	61,464
Norwegian	8	27,497	34,907	42,038	27,085	34,125.30	60,121
Panaman	9	3,061	5,554	6,646	4,287	3,802.05	1,707
Peruvian	3	7,925	10,793	14,977	8,793	9,906.25	11,847
Spanish	1	2,459	2,827	4,349	2,565	3,073.75	1,653
Swedish	5	11,006	18,170	18,609	13,799	13,757.50	25,803
United States	98	411,824	520,820	666,494	410,981	512,729.13	864,464
Totals, November, 1926	217	809,948	1,025,695	1,304,198	809,819	1,008,609.10	1,575,834
Totals, November, 1925	202	744,718	940,845	1,210,225	747,602	925,171.99	1,436,311
Totals, November, 1924	186	706,455	887,154	1,133,432	715,055	882,306.22	1,351,433

(Continued on page 256.)

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, December 11, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Oakworth [2]	4	10 35	5	6 29	5	13 06	5	14 10	British	R. S. Dalglish & Co.	400.0	53.2	14.6	Cardiff, England.	Paita, Peru	Ballast		5,615	3,757
Hawaiian	5	4 15	5	6 59	5	13 52	5	14 40	American	Amer.-Hawaiian Line	404.6	53.9	22.0	Boston, Mass	Portland, Oreg.	General	4,630	6,766	4,809
Benicia	5	6 37	5	7 30	5	15 00	5	16 25	British	John Edgar & Co	404.9	53.2	19.0	New York, N. Y.	Brisbane, Australia	General	4,143	5,635	4,107
Mendocino [1]	5	7 36	5	11 55	5	18.18	5	19 25	Norwegian.	Mexican Petroleum Co	425.0	57.0	23.6	Norfolk, Va	Los Angeles, Calif.	Ballast		7,118	5,107
Gymeric [1]	5	12 47	5	12 55	5	19 35	5	23 58	British	Brit.-Mexican Pet. Co.	420.3	54.6	18.6	Glasgow, England	Los Angeles, Calif.	Ballast		6,501	4,459
Steel Ranger	5	17 20	6	5 55	6	13 02	6	14 20	American	Isthmian S. S. Lines	424.2	56.2	25.8	Mobile, Ala	Kobe, Japan	(1)	8,061	7,611	5,450
R-1 [3]	28	8 00	6	7 35	6	14 04	6	15 20	Peruvian	Peruvian Government.	186.0	18.0	15.9	Groton, Conn	Callao, Peru				
R-2 [3]	28	8 00	6	7 35	6	14 06	6	15 20	Peruvian	Peruvian Government.	186.0	18.0	15.3	Groton, Conn	Callao, Peru				
Canadolite [2] [4]	5	22 10	6	9 00	6	16 05	6	17 05	British	Imperial Oil, Ltd	510.0	68.0	22.0	Montreal, Canada	Los Angeles, Calif	Ballast		11,556	7,658
Cities Service Petrol [1]	6	10 00	6	10 15	6	16 51	6	17 50	American	Cities Service Corp	468.3	62.7	17.0	Boston, Mass.	Los Angeles, Calif	Ballast		9,802	7,292
Ramapo [1]	4	18 10	7	6 20	7	13.23	7	14 20	American	U. S. Navy	461.0	60.0	20.6	Cristobal, C. Z	Los Angeles, Calif	Aeroplane	9		
Robin Goodfellow	6	18 45	7	6 10	7	14 24	7	15 35	American	U.S. Steel Products Co.	424.8	55.2	28.6	New York, N. Y.	Vancouver, B. C.	General	8,730	7,473	5,536
Swan [1]			7	6 25	7	14 29			American.	U. S. Navy	180.0	35.6		Cristobal, C. Z	Balboa, C. Z				
Romanstar.	6	18 55	7	7 15	7	15 32	8	00 55	British	Blue Star Line.	420.0	54.0	15.0	S. Shields, England	Vancouver, B. C.	Ballast		7,433	5,870
Frank Lynch [2]	7	00 30	7	8 18	7	16 17	7	20 25	American	Freeport Sulphur Co.	252.0	43.5	16.10	Freeport, Tex.	Oakland, Calif.	Sulphur	2,250	2,283	1,369
Watertown [1]	7	1 10	7	9 45	7	17 07	7	18 15	American	Crew, Levick & Co.	416.9	56.2	21.0	New York, N. Y	Los Angeles, Calif.	Ballast		6,717	4,778
Venezuela.	6	14 40	7	10 44	7	17 28	8	17 08	American	Panama Mail S. S. Co.	380.0	48.6	22.7	New York, N. Y	San Francisco, Cal.	General, coffee	2,961	6,033	4,353
Calcutta Maru	7	10 48	7	11 45	7	18 45	7	21 50	Japanese.	Nippon Yusen Kaisha.	400.0	54.5	24.3	New York, N. Y.	Yokohama, Japan	(2)	6,024	5,790	4,178
General O. H. Ernst	24	19 15	7	12 27	7	19 32			American	Moore & McCormack	356.4	46.3	12.6	Cristobal, C. Z	Balboa, C. Z	Ballast		4,503	2,764
Bobolink [5]			7		7	11 40			American	J. V. Harper				Cristobal, C. Z	Gatun, C. Z.	Ballast		1	1
Bessemer City.	7	14 28	8	6 15	8	13 56	8	15 10	American	Isthmian S. S. Lines	424.2	56.2	26.2	Galveston, Tex	Chinwangtao, China	General	7,831	7,611	5,450
Depere	7	17 05	8	6 10	8	14 25	8	15 40	American	Alaska S. S. Co.	320.0	46.0	17.0	Boston, Mass	Los Angeles, Calif	Iron, steel, paper	2,486	3,803	2,344
Wales Maru.	7	19 52	8	7 20	8	15 09	8	19 20	Japanese.	Kawasaki Kisen Kaisha	405.0	53.0	26.2	New York, N. Y.	Kobe, Japan	(3)	7,636	7,043	5,077
Raby Castle [2]	7	23 45	8	8.40	8	16.06	8	17 08	British	Barber S. S. Line	400.0	52.6	23.0	Newport News, Va.	Manila, P. I.	Gen., kerosene.	6,066	6,805	5,040
Paul Luckenbach	8	3 40	8	9 48	8	16 29	8	17 28	American	Luckenbach Line	471.0	59.2	23.0	Boston, Mass	Seattle, Wash	General	9,000	9,027	6,539
Silverbeech [2]	8	7 35	8	10 10	8	17 24	8	18 30	British	S. & J. Thompson	425.6	58.3	24.0	Savannah, Ga.	Yokohama, Japan.	General	7,400	8,226	6,039
Sumatra [6]	8	7 15	8	10 50	8	17 40	9	17 00	Dutch.	Dutch Government	530.0	52.6	19.9	La Guayra, Ven	Batavia, D. E. I.				
Steel Traveler	8	10 45	8	12 05	8	19 10	9	16 00	American	Isthmian S. S. Lines	424.2	56.0	27.2	New York, N. Y.	Honolulu, T. H.	General	8,983	7,698	5,509
Major Pullen			8		8	17 30			American.	U. S. Army				Cristobal, C. Z	Balboa, C. Z				
Capt. Harry Smith [5]			8		8	8 32			American.	U. S. Army				Cristobal, C. Z	Gatun, C. Z.				
Carmen [5]			8		8	12 04			Panaman	Juan Diez				Cristobal, C. Z	Gatun, C. Z.	Towing barges		4	4
No. 3629 [5]			8		8	12 04			Panaman	Juan Diez				Cristobal, C. Z	Gatun, C. Z	Ballast		13	13
No. 3619 [5]			8		8	12 04			Panaman	Juan Diez				Cristobal, C. Z.	Gatun, C. Z.	Ballast		10	10

[1] Tanker. [2] Motor ship. [3] Submarine. [4] Mine sweeper. [5] Launch. [6] Cruiser. [7] Barge. [8] Cotton, steel, and sulphate. [9] Tin plates, steel, cotton, and general. [10] Steel, tin plates, cotton, and general.

City of San Francisco [2]	30	19.55	9	6.07	9	13.24	9	17.00	Panaman	Panama Mail S. S. Co.	296.0	49 9	21 9	Cristobal, C. Z.	San Francisco, Cal.	General	3,086	3,848	2,606
Canadian Winner	9	6.43	9	8.50	9	16.32	9	17.35	British	Can. Gov. Mer. Marine	399.8	52 0	23.11	Antwerp, Belgium	Vancouver, B. C.	Steel, general	6,346	5,885	4,073
Texan	9	8.45	9	9.52	9	16.53	9	17.55	American	Amer.-Hawaiian Line	471.0	57 2	24.0	Boston, Mass.	Tacoma, Wash.	General	4,760	9,154	6,903
Orcoma	8	21.10	9	12.30	9	18.25	9	19.25	British	Pacific Steam Nav. Co.	511.6	62 0	25 8	Liverpool, England	Coronel, Chile	General	4,702	12,414	8,302
Ciricito [5]	8		9		9	10.57			American	San Blas Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	Towing barge		8	8
No. 3278 [7]			9		9	10.57			American	San Blas Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		20	20
Ebro	9	19.05	10	6.05	10	13.18	10	14.15	British	Pacific Steam Nav. Co.	450.0	57 0	25.6	New York, N. Y.	Talcahuano, Chile	General	1,934	9,291	63,01
Vega [11]	9	12.15	10	6.00	10	13.25	10	19.15	American	U. S. Navy	390.0	54.2	20.6	Norfolk, Va.	Puget Sound, W'sh	Navy cargo	2,900		
Arana	7	15.08	10	7.10	10	15.04	10	16.55	British	Pacific Steam Nav. Co.	303.0	43 0	22.2	New York, N. Y.	Callao, Peru	General	2,490	2,851	1,697
Almelo	7	16.17	10	7.10	10	15.16	10	16.20	Dutch	Royal Neth. W. I. Mail	447.5	62 8	23.6	Amsterdam, Holl.	Corral, Chile	General	5,312	9,403	6,653
Bethore	6	23.00	10	8.25	10	16.15	10	17.20	American	Ore S. S. Corp.	559.3	72 2	24.4	Norfolk, Va.	Cruz Grande, Chile	Ballast		15,476	4,354
El Grillo [1]	9	9.38	10	8.42	10	16.36	10	17.55	British	Imperial Oil, Ltd	440.5	57.5	21.0	River Tyne, Eng.	Talara, Peru	Ballast		7,468	5,042
Moordijk	9	12.00	10	10.00	10	19.04	10	20.00	Dutch	Holland-American Line	472.6	61 1	19 11	Rotterdam, Holland	Vancouver, B. C.	General	1,582	9,165	7,056
Canadian Transporter	9	15.13	10	10.10	10	17.57	10	23.45	British	Can. Gov. Mer. Marine	490.0	52 4	16.0	Halifax, N. S.	Vancouver, B. C.	General	1,853	6,228	4,491
City of Corinth	9	17.20	10	10.45	10	19.58	10	21.16	British	Ellerman Lines, Ltd.	391.0	54 3	24.2	New York, N. Y.	Sydney, Australia	General	5,034	7,103	5,358
Agwimoon [1]	9	18.25	10	11.00	10	20.44	10	21.55	American	International S. S. Co.	429.3	59 0	17.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,695	5,402
Emidio [6]	9	19.32	10	12.00	10	21.37	10	23.09	American	General Petroleum Co.	435 0	56 2	20.0	Baltimore, Md.	Los Angeles, Calif.	Ballast		7,433	5,058
Stuart Dollar	10	9.08	10	12.40	10	22.24	10	23.14	American	Dollar Line	429.0	55 2	24.0	Wilmington, N. C.	San Francisco, Cal.	General	7,359	7,584	5,528
Anglo-Colombian	10	9.50	10	13.30	10	23.24	11	00.18	British	Lawther, Latta & Co.	479.0	62 2	27 6	Galveston, Tex.	Geelong, Australia	Sulphur	10,010	9,463	6,757
Frost [3]	10	12.20	10	14.00	11	00.15	11	2.14	Swedish	Hans Ericson	285.6	41 0	13.0	Cardenas, Cuba	San Diego, Calif.	Sugar	756	2,460	1,574
Gen. G. W. Getty [12]	9		10		10	13.25			American	U. S. Army	89.0	22 0		Cristobal, C. Z.	Gatun, C. Z.	Ballast			
No. 87 [7]			10		10	11.18			American	Hooper and Estenoz				Cristobal, C. Z.	Gatun, C. Z.	Ballast		159	159
Wido	10	17.10	11	6.20	11	14.49	11	16.00	German	Roland Line	393.7	54 0	25 0	Antwerp, Belgium	Buenaventura, Col.	General	6,102	6,585	4,631
Stella	3	18.05	11	6.21	11	15.40	12	3.50	Norwegian	Panama Mail S. S. Co.	195.1	32 9	14.6	Cristobal, C. Z.	Champerico, Guat.	General	1,200	985	606
Lionel [2]	10	18.20	11	6.30	11	16.32	12	6.12	Norwegian	The Texas Co.	375.6	52 5	24.0	Port Arthur, Tex.	Auckland, N. Z.	General	7,180		
E. M. Clark [1]	11	5.55	11	7.23	11	17.15	11	18.25	American	Standard Oil Co.	499 2	68 1	19 0	New York, N. Y.	Los Angeles, Calif.	Ballast		11,063	8,633
Cibao	9	21.10	11	9.25	11	18.58	11	18.58	Norwegian	United Fruit Co.	225 0	33 6	14 2	Mobile, Ala.	Gatun, C. Z. [13]	Bananas	263	1,239	685
Rochester [6]	10	16.50	11	9.45	11	17.27			American	U. S. Navy	384 0	65 0	27 0	Bluefields, Nic'gua.	Balboa, C. Z.				
La Brea [1]	11	7.49	11	10.20	11	18.17	11	19.25	American	Union Oil Co.	425.0	56 2	21 0	Ponce, P. R.	Los Angeles, Calif.	Ballast		7,150	4,765
Oriole	11	10.25	11	10.50	11	19.10	11	20.30	American	Quaker Line	410 5	54 2	19 6	Norfolk, Va.	Portland, Oreg.	General	3,700	6,755	4,873
Mecca [5]			11		11	11.43			American	United Fruit Co.				Cristobal, C. Z.	Gatun, C. Z.	(14)		4	4
No. 31016 [7]			11		11	11.43			American	United Fruit Co.				Cristobal, C. Z.	Gatun, C. Z.	Coconuts		17	17

[1] Tanker. [11] Auxiliary. [12] Tug. [13] And return to Mobile, Ala. [14] Towing barge *No. 31016*.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Hadnot [1]	4	14.30	5	6.37	5	14.10	5	14.10	American	Cities Service Trans. Co	416.9	56.2	29.0	Los Angeles, Calif.	Boston, Mass.	Crude oil	9,866	6,706	4,639
Jersey City	4	15.00	5	7.11	5	15.46	5	16.45	British	St. Just S. S. Co., Ltd.	411.3	55.0	27.4	Portland, Oreg.	United Kingdom	Wheat	8,872	6,466	4,520
Panama [2]	4	18.00	5	8.06	5	17.35	5	19.30	Danish	East Asiatic Co.	410.0	55.2	29.0	Vancouver, B. C.	Copenhagen, Den.	(15)	9,345	7,027	5,341
Harold Walker [1]	4	19.00	5	8.45	5	16.30	5	16.30	American	Pan-Amer.Pet.&Tr. Co	430.0	58.2	28 8	Los Angeles, Calif.	New York, N. Y.	Fuel oil	10,500	6,973	4,523
Curaca	5	4 30	5	9 32	5	17.12	5	17.12	Panaman	Grace Line	493 0	52 3	29.0	Coquimbo, Chile	New York, N. Y.	Manganese, nitr.	9,017	6,804	4,897
Surailco	5	3.00	5	12.05	5	20.10	5	20.10	American	Transmarine Lines	324 0	46 2	24 8	Aberdeen, Wash.	New York, N. Y.	Lumber, general	4,120	3,984	2,628
Svealand [2]	5	8.15	5	15.13	6	12.00	6	12.00	Swedish	Axel Brostrom & Son.	561.10	72 2	32 6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	15,425	4,420

[1] Tanker. [15] Wheat, general, and barley.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Queenmoor	5	23.00	6	7.25	6	15.35	6	16.55	British	W. Runciman & Co	404.9	53.6	24.7	Seattle, Wash	Falmouth, England	Wheat	7,920	6,300	4,547
Virginian	6	2.00	6	8.29	6	15.33	6	15.33	American	Amer.-Hawaiian Line	491.5	58.2	29.10	Portland, Oreg	Boston, Mass	Lumber, general	9,100	10,491	7,546
Laurel Branch	6	7.30	6	9.09	6	16.35	6	18.00	British	F. & W. Ritson	360.2	46.0	23.6	Punta Arenas, Chile	Liverpool, England	General	5,283	4,182	3,047
Santa Luisa	6	4.05	6	10.34	6	17.10	6	18.40	American	Grace Line	360.2	51.6	24.6	Talcahuano, Chile	New York, N. Y	General	3,750	5,710	3,998
Lena Luckenbach	6	11.30	6	12.27	6	18.35	6	18.35	American	Luckenbach Line	425.0	53.8	25.6	Los Angeles, Calif	Galveston, Tex.	General	6,687	7,217	5,295
Gen. Wm. M. Graham [16]			7	7.12	7	12.47			American	U. S. Army	160.2	32.1		Balboa, C. Z	Cristobal, C. Z				
Sumanco	6	23.45	7	7.57	7	15.42	7	16.55	American	Transmarine Lines	324.0	46.2	23.10	Aberdeen, Wash.	Port Newark, N. J.	Lumber	2,810	3,984	2,628
Hagood [1]	7	8.20	7	10.51	7	18.38	7	18.38	American	Cities Service Trans. Co	435.6	56.2	28.7	Los Angeles, Calif	Boston, Mass	Fuel oil	10,700	7,426	5,094
Gen. G. W. Getty [17]	7		7	10.56	9				American	U. S. Army	98.0	22.0		Balboa, C. Z	Cristobal, C. Z				
Canadian Importer	7	10.30	7	11.38	7	19.30	7	20.55	British	Can. Gov. Mer. Marine	400.05	52.4	21.6	Union Bay, B. C	Antwerp, Belgium	([19])	5,037	5,891	4,186
R. W. Stewart [1]	7	12.50	7	13.48	7	21.30	7	21.30	American	Huasteca Petroleum Co.	467.6	62.7	28.6	San Luis, Calif	New York, N. Y	Crude oil	12,500	9,363	6,874
Edward Luckenbach	7	12.55	7	14.40	7	22.10	7	22.10	American	Luckenbach Line	436.61	57.2	30.0	Portland, Oreg	Boston, Mass	Lumber, general	9,362	8,543	6,427
London Importer	7	16.20	8	6.22	8	14.05	8	14.05	British	Brit.-Arg. Stm. Nav. Co.	450.0	57.9	29.0	Seattle, Wash	Glasgow, Scotland	General	8,873	8,405	5,855
Robert E. Hopkins [1]	7	15.30	8	7.05	8	15.25	8	15.25	American	Tidewater Oil Co	424.4	58.0	27.3	San Francisco, Cal.	Newburg, N. Y.	Fuel oil	10,393	7,333	5,182
A. C. Bedford [1]	8	3.50	8	8.46	8	18.07	8	18.07	American	Standard Oil Co. of Calif.	590.0	68.0	29.5	Los Angeles, Calif	Halifax, N. S.	Crude oil	15,759	10,896	7,688
William Perkins	8	6.50	8	9.18	8	18.10	8	18.10	American	Garland S. S. Corp	409.8	54.2	26.6	Aberdeen, Wash	New York, N. Y	Lumber	7,600	6,757	4,919
Shreveport [1]	8	9.15	8	10.26	8	19.30	8	19.30	American	Cities Service Trans. Co.	435.0	56.0	30.3	Los Angeles, Calif	Philadelphia, Pa.	Crude oil	10,000	7,411	5,199
Finland	7	21.50	8	11.09	8	19.05	8	19.28	American	Panama-Pacific Line	560.0	69.2	26.0	San Francisco, Cal	New York, N. Y	General	4,919	13,559	9,016
Atrato [15]	8	7.00	8	13.55	8	21.25			Colombian	Colombian Transp. Co	91.0	23.0	7.0	Buenaventura, Col.	Cristobal, C. Z	Coffee	149½	169	92
Broad Arrow [1]	9	1.00	9	6.17	9	13.35	9	13.35	American	Standard Oil Co. of N. J.	467.6	62.7	27.0	San Francisco, Cal.	New York, N. Y	Navy gasoline	11,624		
Margaret Dollar	8	14.36	9	7.10	9	14.55	9	14.55	American	Dollar Line	429.0	55.6	27.0	Seattle, Wash	Norfolk, Va.	General	10,051	7,579	5,527
Toba Maru	8	8.00	9	8.12	9	15.50	10	1.00	Japanese	Nippon Yusen Kaisha	445.0	58.0	23.06	Manila, P. I.	Boston, Mass	Oils, tea, matting	5,168	8,058	5,743
Canadian Skirmisher	8	15.00	9	8.47	9	16.20	9	16.20	British	Can. Gov. Mer. Marine	400.0	52.4	24.0	Vancouver, B. C.	Davenport, Eng'nd	General	6,668	6,174	4,323
Egypt Maru	9	00.30	9	9.10	9	16.55	9	18.00	Japanese	Kokusai Kisen Kaisha	400.0	53.75	26.9	Portland, Oreg	Europe	Wheat	8,180	7,018	5,107
Ruapehu	9	1.30	9	9.38	9	17.50	10	3.00	British	N. Z. Shipping Co	457.0	58.25	23.6	Lyttleton, N. Z.	Glasgow, Scotland	Cold storage, gen	4,781	9,079	6,798
Robin Adair	9	1.30	9	10.17	9	18.12	9	18.12	American	Seas Shipping Co	424.8	55.2	27.2	Vancouver, B. C.	New York, N. Y.	Lumber	7,263	7,470	5,107
Knoxville City	9	12.45	9	13.43	9	21.13	10	9.00	American	Norton, Lilly & Co	424.2	56.2	25.9	Vancouver, B. C.	Liverpool, England	General	7,520	7,611	5,450
France Maru	9	13.30	9	14.30	9	22.10	10	7.52	Japanese	Suzuki & Co	385.0	51.0	26.0	Portland, Oreg	Marseilles, France	Wheat	7,465	6,209	4,658
Hanna Skogland	9	16.15	10	6.37	10	17.31	10	20.25	Norwegian	T. & H. Skogland & Son	404.5	49.2	16.0	Buenaventura, Col.	Freeport, Tex	Ballast		5,871	3,990
Orient	10	8.30	10	10.02	10	17.35	10	17.35	American	Oriental Nav. Co	376.4	52.3	24.0	Aberdeen, Wash	New York, N. Y.	Lumber	5,900	5,455	3,403

[1] Tanker. [16] Mine planter. [17] Tug. [18] Motor schooner. [19] Lumber and concentrates.

Olean [1]	10	11.15	10	12.18	10	20.30	10	20.30	American	Vacuum Oil Co.	430.0	58.2	26.6	San Francisco, Cal.	New York, N. Y.	Gas oil	10,300	7,373	5,486
General O. H. Ernst [20]	7	19.45	10	14.02	10	21.45	11	19.12	American	Moore & McCormack	356.4	45.0	14.7	Balboa, C. Z.	Cristobal, C. Z.	Ballast		4,503	2,764
Darien [21]			10		10				American	U. S. Navy				Balboa, C. Z.	Darien, C. Z.				
Sun [1]	10	17.45	11	6.22	11	14.40	11	17.30	American	Sun Oil Co.	382.0	49.7	22.6	Los Angeles, Calif.	Tampa, Fla.	Gasoline	6,000	5,020	3,324
Agnes E. [21] [22]	11	2.30	11	6.15					Panaman	Pacific Fruit Co.	57.8	19.7	8.0	Panama Bay, R. P.	Gatun, C. Z.	Bananas	10	57	29
Sylvafield [1]	11	2.45	11	7.12	11	15.00	11	21.38	British	Hunting & Sons	395.0	52.0	25.6	San Francisco, Cal.	Land's End, Eng. [26]	Gasoline	7,433	5,900	3,995
Point Fermin	10	22.48	11	8.05	11	15.50	11	15.30	American	Swayne & Hoyt	320.0	46.0	21.0	Los Angeles, Calif.	New Orleans, La.	General	3,308	3,984	2,617
Acajutla	10	15.15	11	8.38	11	15.40			British	Pacific Steam Nav. Co.	215.7	33.5	14.0	Champerico, Guat.	Cristobal, C. Z.	General	535	1,273	706
Cauca [23]	10	23.00	11	8.30	11	17.43			Colombian	National Navigation Co.	107.48	22.97	10.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee, etc.	290	238	163
Strathfillan	9	21.55	11	9.20	11	17.55	11	18.35	British	W. Stewart & Co.	369.8	52.25	22.5	Englewood, B. C.	New York, N. Y.	Wood (lumber)	5,110	4,671	3,403
Hororata	11	6.00	11	9.32	11	19.12	12	2.45	British	N. Z. Shipping Co.	511.1	64.1	28.6	N. Plymouth, N.Z.	London, England	Cold storage, gen.	7,400	12,62[illegible]	8,763
Montanan	11	12.25	11	13.10	11	19.40	11	19.40	American	Amer.-Hawaiian Line	404.6	53.95	26.0	Seattle, Wash.	Boston, Mass.	General	6,307	6,756	4,775
Relay [24]	29	14.29	11	13.58	11	20.40			American	All America Cables	240.0	32.0	18.0	Balboa, C. Z.	Cristobal, C. Z.	Ballast			
Cardiganshire	11	3.00	11	14.10	11	22.10	12	3.45	British	Royal Mail S. P. Co.	500.0	62.4	29.0	Vancouver, B. C.	Rotterdam, Holland	([27])	9,513½	11,426	8,385
Breckenridge [21]			11		11				American	U. S. Army				Miraflores Lake	Gatun Lake, C. Z.				
Big Bill [25]	11	6.20	11	9.20	11				American	William H. Thompson	60.7	16.6		Panama Bay, R. P.	Paraiso, C. Z.			51	13
Capt. Harry N. Smith [21]			11		11				American	U. S. Army				Balboa, C. Z.	Gatun Lake, C. Z.				

[1] Tanker. [20] Came Southbound for drydocking only. [21] Launch. [22] Motor schooner. [23] Motor ship. [24] Cable ship. [25] Yacht. [26] For orders. [27] Wheat, copper, lumber, dried fruits, and general.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
December 5	Heredia	United Fruit Co.	New Orleans via Habana.
December 5	Toloa	United Fruit Co.	Port Limon, Costa Rica.
December 6	Calamares	United Fruit Co.	New York via Habana.
December 8	Heredia	United Fruit Co.	Port Limon, Costa Rica.
December 8	Ancon	Panama Railroad S. S. Line	New York via Haiti.
December 8	Turrialba	United Fruit Co.	New Orleans via Habana.
December 8	Whipple [28]	U. S. Navy	Bluefields, Nicaragua.
December 8	Camito	Elders & Fyffes, Ltd.	Avonmouth via wayports.
December 8	Tivives	United Fruit Co.	New York via Kingston.
December 8	La Playa	United Fruit Co.	New York vi a Santiago.
December 8	Antillian	Leyland Line	Liverpool via wayports.
December 8	U. D. Vinton [29]	G. and N. Bryan	Colon, Rep. of Panama.
December 8	Maria Cristina [30]	A. Tagaropulos	Colon, Rep. of Panama.
December 8	Terror [29]	A. Tagaropulos	Colon, Rep. of Panama.
December 8	Cabiria [30]	A. Tagaropulos	Colon, Rep. of Panama.
December 9	Santa Marta	United Fruit Co.	Santa Marta, Colombia.
December 9	Virginia	Standard Fruit S. S. Co.	New Orleans, La.
December 10	Cleveland [31]	U. S. Navy	Ceiba, Nicaragua.
December 10	San Benito	United Fruit Co.	Boston via wayports.

* DEPARTURES.

Date.	Vessel.	Line.	For—
December 5	Heredia	United Fruit Co.	Port Limon, Costa Rica.
December 5	Toloa	United Fruit Co.	New York via Habana.
December 8	Heredia	United Fruit Co.	New Orleans via Habana.
December 8	Calamares	United Fruit Co.	Port Limon, Costa Rica.
December 8	Camito	Elders & Fyffes, Ltd.	Port Limon, Costa Rica.
December 8	Whipple [28]	U. S. Navy	Bluefields, Nicaragua.
December 8	U. D. Vinton [29]	G. & N. Bryan	Bluefields, Nicaragua.
December 8	Maria Cristina [30]	A. Tagaropulos	Colon, Rep. of Panama.
December 8	Terror [29]	A. Tagaropulos	Colon, Rep. of Panama.
December 8	Cabiria [30]	A. Tagaropulos	Colon, Rep. of Panama.
December 9	La Playa	United Fruit Co.	Cartagena, Colombia.
December 9	Santa Marta	United Fruit Co.	New York via Kingston.
December 9	Tivives	United Fruit Co.	Colombian ports.
December 9	Turrialba	United Fruit Co.	New Orleans via wayports
December 9	Antillian	Leyland Line	New Orleans via Kingston
December 9	Virginia	Standard Fruit S. S. Co.	San Blas, Rep. of Panama
December 11	M. F. Benefit [29]	D. S. Britton	Colon, Rep. of Panama.
December 11	San Benito	United Fruit Co.	Boston via Kingston.
December 11	Virginia	Standard Fruit S. S. Co.	New Orleans, La.

[28] Destroyer. [29] Schooner. [30] Motor schooner. [31] Cruiser.

* Other than ships passing through the Canal.

(Continued on page 260, column 2.)

Origin and Destination of Cargo Passing Through the Panama Canal, from the Atlantic to the Pacific, November, 1926.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.							Asia.					Australasia.					
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America.	West coast of North America.[1]	Balboa.[2]	Hawaii.	Total, North America.	Japan.	China.	Philippines.	Far East.[1]	Total, Asia.	Australia.	New Zealand.	Australasia.[1]	Total, Australasia.	Grand totals.	Per cent of total cargo.
North America:																								
United States:																								
North Atlantic ports	11,204	239		3,348	7,831	22,613	193,011	663	4,539			4,645	202,849	21,303	12,241	6,045	35,153	74,742	51,046	22,875	5,326	79,247	379,451	54.5
South Atlantic ports							2,131						2,131	7,344	609		2,610	10,563					12,694	1.9
Gulf ports	702	190	28	307	102	1,338	25,623			5,559		1,454	32,636	41,507	4,496	2,961	4,605	53,569	13,213			13,213	100,756	4.4
Totals, United States	11,906	429	28	3,655	7,933	23,951	220,765	663	4,539	5,559		6,099	237,616	70,154	17,346	9,006	42,368	138,874	64,259	22,875	5,326	92,460	492,901	70.8
Cristobal, C. Z.	204	5,386	294	424	397	6,615	2,481	28	5,112				7,620						3,429	6,492	1,874	11,795	14,235	2.0
East coast of Canada																							11,795	1.7
West Indies	13					13	2,543						2,543	7,350			4,144	11,494					14,050	2.0
Totals, N. America	12,123	5,815	322	4,079	8,240	30,579	225,788	691	9,642	5,559		6,099	247,779	77,504	17,346	9,006	46,512	150,368	67,688	29,367	7,200	104,255	532,981	76.5
Europe:																								
British Isles	2,709			1,471	12,179	16,359	1,270	3,936		380			5,586							35,870	8,276	44,146	66,091	9.5
Belgium	2,865			723	350	3,938	12,706	330		2,920			15,956										19,894	2.9
France					21	21	797						797										818	
Germany	50				174	224	3,893	34					3,927										4,151	0.6
Holland	509					509	4,913	311					5,224							2,000		2,000	7,733	1.2
Italy	316		58	162		536	225						225										761	
Norway and Sweden							3,789		608	1,680			6,077								6,600	6,600	12,677	1.9
Spain and Portugal	135		22	20	52	229																	229	
Europe[1]	1,699		25	44	28,564	30,322	229		3,897	1,995			6,121										36,453	5.3
Totals, Europe	8,283		105	2,420	41,340	52,148	27,822	4,611	4,505	6,975			43,913							37,870	14,876	52,746	148,807	21.4
E. coast of South America					25	25	12,095	1,169		675			13,939	872				872					14,827	2.1
Grand totals	18,406	5,815	427	6,499	49,605	82,752	265,705	6,462	14,147	13,209		6,099	305,622	78,376	17,346	9,006	46,512	151,240	67,688	67,237	22,076	157,001	696,615	100.0
Per cent of total cargo:																								
November, 1926	2.7	0.9		1.0	7.3	11.9	38.1	0.9	2.0	1.9		0.9	43.8	11.2	2.5	1.3	6.7	21.7	9.7	9.7	3.2	22.6		100.0
November, 1925	3.6	0.4	0.5	1.0	11.9	17.4	40.8	0.9	1.7	1.1	0.2	0.4	45.1	10.4	2.5	0.4	4.7	20.7	6.7	9.0	1.1	16.8		100.0
November, 1924	7.5		0.2	1.3	9.5	18.5	39.0	0.5	1.3	0.7		1.4	42.9	9.0	1.5		11.4	21.9	2.8	5.2	8.7	16.7		100.0

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, November, 1926.

(Figures represent tons of 2,240 pounds.)

From—	North America. United States. North Atlantic ports.	South Atlantic ports.	Gulf ports.	Total, United States.	East coast of Canada.	West Indies.	East coast of Mexico.	Cristobal, C. Z.[2]	Total, North America.	Europe. British Isles.	Belgium.	Denmark.	France.	Germany.	Holland.	Italy.	Norway and Sweden.	Spain and Portugal.	Europe.[1]	Total, Europe.	East coast of South America.	Egypt.	Grand totals.	Per cent of total cargo.
South America:																								
Chile	183,336		6,110	189,446					189,446	11,619	2,384		639	2,507	5,683	9,532		3,245	27,902	63,511		15,450	268,407	17.9
Colombia	1,688			1,688				1,166	2,854												132		2,986	0.2
Ecuador	816			816				52	868									289		289			1,157	0.1
Peru	6,148	29,200		35,348	28,108				63,456	11,350	1,707		6,507	474					129	20,167			83,623	5.3
West coast S. Amer.	1,512			1,512				399	1,911	5,069								1,653	6,076	12,798			14,709	0.9
Totals, So. Amer.	193,500	29,200	6,110	228,810	28,108			1,617	258,535	28,038	4,091		7,146	2,981	5,683	9,532		5,187	34,107	96,765	132	15,450	370,882	23.5
North America:																								
West coast, Canada	39,415		594	40,009			4	46	40,059	27,769	294	2,122	1,902	527	302	162		6,121	50,615	89,814			129,873	8.2
West coast Cen. Amer.	28			28				1,405	1,433														1,433	0.1
West coast U. S.	609,978		11,023	621,001	22,986	8,119	2,357	36,120	690,583	132,891	5,927	204	23,062	40,131	1,644	8,076	10,524	79	80,063	302,601	20,973		1,014,157	64.5
Hawaii			623	623					623														623	
W. coast N. America[3]			[3] 599	599				64	663					33					45	78			741	
Totals, N. America	649,421		12,839	662,260	22,986	8,119	2,361	37,635	733,361	160,660	6,221	2,326	24,964	40,691	1,946	8,238	10,524	6,200	130,723	392,493	20,973		1,146,827	72.8
Asia:																								
China	2,354			2,354		3,162			5,516														5,516	0.3
Japan	822			822					822														822	
Philippines	1,167		6,351	7,518					7,518														7,518	0.5
Far East[1]	6,883			6,883					6,883														6,883	0.5
Totals, Asia	11,226		6,351	17,577		3,162			20,739														20,739	1.3
Australasia:																								
Australia	1,920			1,920	2,075			134	4,129														4,129	0.3
New Zealand										17,957										17,957			17,957	1.2
Australasia[1]										2,500							6,900		5,900	15,300			15,300	0.9
Totals, Australasia	1,920			1,920	2,075			134	4,129	20,457							6,900		5,900	33,257			37,386	2.4
Grand totals	856,067	29,200	25,300	910,567	53,169	11,281	2,361	39,386	1,016,764	209,155	10,312	2,326	32,110	43,672	7,629	17,770	17,424	11,387	170,730	522,515	21,105	15,450	1,575,834	100.0
Per cent of total cargo:																								
November, 1926	54.4	1.8	1.6	57.8	3.4	0.7	0.1	2.5	64.5	13.4	0.7	0.1	2.0	2.8	0.5	1.1	1.1	0.7	10.8	33.2	1.4	0.9	100.0	...
November, 1925	51.9	4.5	5.9	62.3	2.6	0.8	...	1.9	67.6	12.6	1.5	...	2.4	1.3	0.2	1.2	0.7	0.5	10.0	30.8	...	1.6	100.0	...
November, 1924	51.6	1.2	2.1	57.9	1.1	1.1	1.3	0.8	62.2	16.8	1.2	0.9	1.1	1.3	0.1	0.4	0.6	0.8	13.9	37.1	0.7	...	100.0	.

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

[3] Bananas from Gatun Lake.

Traffic by Nationality for November, 1926.

(Continued from page 249.)

COMBINED TRAFFIC.

Nationality.	No. of vessels.	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered. Gross.	Tonnage. Registered. Net.	Tolls.	Tons of cargo.
Belgian	1	3,187	4,053	5,167	3,181	$3,983.75	6,822
British	105	423,285	550,112	686,128	422,971	505,154.93	542,779
Chilean	2	6,958	9,344	14,599	7,862	8,697.50	7,993
Colombian	6	2,941	3,419	4,746	2,853	3,666.85	3,051
Danish	4	11,003	15,537	18,006	11,108	13,753.75	23,695
Danzig	2	11,596	14,014	17,711	10,133	14,495.00	24,027
Dutch	12	45,338	56,015	73,621	44,617	54,975.99	52,397
French	10	38,880	47,885	62,572	38,423	48,600.00	57,752
German	21	46,445	64,399	76,458	46,587	57,568.42	86,451
Italian	6	22,313	26,179	35,453	21,363	27,616.85	29,922
Japanese	16	68,948	79,231	100,616	67,785	85,330.45	103,021
Norwegian	13	37,002	49,001	58,857	36,708	45,996.05	76,215
Panaman	16	4,802	8,553	10,919	7,230	5,924.56	5,818
Peruvian	4	9,408	12,322	17,132	9,962	11,741.05	14,348
Spanish	2	5,476	6,671	9,554	5,791	6,845.00	1,881
Swedish	10	26,035	38,844	61,595	31,506	29,606.49	40,671
United States	198	827,976	1,046,909	1,330,227	826,454	965,044.47	1,195,006
Totals, November, 1926	428	1,591,593	2,032,488	2,583,361	1,594,534	1,889,001.11	2,272,449
Totals, November, 1925	424	1,607,873	2,028,034	2,612,907	1,616,204	1,870,087.68	2,023,398
Totals, November, 1924	384	1,484,736	1,872,531	2,379,863	1,490,471	1,750,937.00	1,961,593

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending December 11, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Heredia	United Fruit Co.	December 5	December 5	253	25
Toloa	United Fruit Co.	December 5	December 5	106	42½
Venezuela	Panama Mail S. S. Co.	December 6	December 7	417½	(1)
Calamares	United Fruit Co.	December 6	December 8	475	67
Arana	Pacific Steam Navigation Co.	December 7	December 10	196	588
Almelo	Royal Netherlands W. I. Mail	December 7	December 10	704	730
U. D. Vinton	G. & N. Bryan	December 8	December 8	(2)	25½
La Playa	United Fruit Co.	December 8	December 9	(2)	461
Oreoma	Pacific Steam Navigation Co.	December 8	December 9	80	149
Antillian	Leyland Line	December 8	December 9	846	(1)
Atrato	Colombian Transport Co.	December 8		149½	
Tivives	United Fruit Co.	December 8	December 9	242	531
Aneon	Panama Railroad S. S. Line	December 8		3,981	
Heredia	United Fruit Co.	December 8	December 8	39	273
Turrialba	United Fruit Co.	December 8	December 9	892	195
City of San Francisco	Panama Mail S. S. Co.		December 9		3,436
Santa Marta	United Fruit Co.	December 9	December 9	3½	39½
Virginia	Standard Fruit S. S. Co.	December 9	December 9	237	9
Toba Maru	Nippon Yusen Kaisha	December 9	December 10	692	(1)
Moerdijk	Holland-American Line	December 9	December 10	2½	495
Ebro	Pacific Steam Navigation Co.	December 9	December 10	30	25
Cibao	United Fruit Co.	December 9	December 11	(2)	425
San Benito	United Fruit Co.	December 10	December 11	66	½
San Mateo	United Fruit Co.	December 11	December 11	168	165
Cauca	National Navigation Co.	December 11		290	
Virginia	Standard Fruit S. S. Co.	December 11	December 11	(2)	449
Lochmonar	Pacific Steam Navigation Co.	December 11		380	
Hororata	N. Z. Shipping Co.	December 11		110	
Acajutla	Pacific Steam Navigation Co.	December 11		535	
M. F. Benefit	Colon Import & Export Co.	December 11	December 11	(2)	18½
Stella	Panama Mail S. S. Co.		December 11		1,148
London Shipper	Furness, Withy & Co.	December 2	December 3	(2)	341

(1) No cargo laded. (2) No cargo discharged.

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines, and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

United States Intercoastal Traffic by Commodities for November, 1926.

The following table shows the amount of cargo carried through the Canal in the United States intercoastal trade, segregated by commodities and direction, with the totals, and the totals for November, 1925, and 1924. Cargo statistics are compiled from cargo declarations submitted by masters of vessels, and in these declarations small items are frequently grouped under the designation of "General Cargo." These statistics are accordingly not precise but they are indicative of the kinds and quantity of the cargo in transit through the Canal. The figures represent tons of 2,240 pounds and are for the United States intercoastal trade only:

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Agricultural implements	829	.....	829
Alfalfa	.....	87	87
Asphalt	395	321	716
Automobiles	728	111	839
Automobile accessories	2,894	.....	2,894
Balsam	.....	7	7
Barley	.....	25	25
Beans	150	8,046	8,196
Borax	24	1,350	1,374
Bricks	725	.....	725
Burlap	.....	55	55
Calcium carbide	19	.....	19
Camphor	.....	50	50
Canned goods:			
Fish	1,512	13,310	14,822
Fruit	68	38,371	38,439
Meat	.....	1,785	1,785
Vegetables	2,343	8,041	10,384
Milk	.....	21	21
Other	728	1,595	2,323
Celite filtercel	.....	421	421
Cement	1,054	285	1,339
Charcoal	104	276	380
Chemicals	1,420	135	1,555
Coal	2,654	.....	2,654
Cocoa	265	.....	265
Coconuts	.....	100	100
Coffee	39	22	61
Cold storage:			
Butter	.....	7	7
Cheese	.....	60	60
Lard	355	.....	355
Meat	210	.....	210
Tallow	.....	320	320
Other	168	.....	168
Confectionery	346	.....	346
Cotton	137	2,236	2,373
Cyanide	80	.....	80
Drugs	300	1	301
Fertilizer	86	.....	86
Flour	30	4,735	4,765
Fruit, dried	521	24,728	25,249
Furniture	1,399	.....	1,399
General	57,797	21,615	79,412
Glass	2,562	147	2,709
Glue	8	.....	8
Graphite	20	.....	20
Hair	.....	33	33
Hardwoods	183	.....	183
Hay	20	1,391	1,411
Hemp	80	1,676	1,756
Honey	.....	68	68
Hops	.....	52	52
Jute	30	100	130
Leather	131	.....	131
Linoleum	352	.....	352
Liquors	14	.....	14
Lumber	1,233	183,911	185,144
Marble	95	.....	95
Manufactured goods:			
Iron and steel	87,796	196	87,992
Machinery	3,712	382	4,094
Railroad material	2,212	.....	2,212
Textiles	2,021	384	2,405
Other	249	777	1,026
Matches	.....	12	12

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals
Metals:			
Antimony		60	60
Copper	126	5,544	5,670
Iron	50		50
Lead	300	2,305	2,605
Scrap	436	334	770
Tin	3,355		3,393
Zinc	111	32	143
Other	20	15	35
Milk, powdered		203	203
Musical instruments	765		765
Nitrates		12	12
Nuts		429	429
Oils:			
Coconut		42	42
Cottonseed	147		147
Crude	77	176,661	176,738
Lubricating	2,341	10,076	12,417
Olive	50		50
Refined	15	93,154	93,169
Vegetable	746	20	766
Other	62	22	84
Ores:			
Copper	110		110
Iron	58	6	58
Magnesite		2,555	2,555
Manganese	72		72
Tin	120		120
Paint	195	46	241
Paper	6,328	1,032	7,360
Phosphates	1,655		1,655
Rags		22	22
Rice	285	2,180	2,465
Rope	30	18	48
Rosin	424		424
Rubber:			
Manufactured	447	50	497
Scrap	53	245	298
Salt	62		62
Seeds:			
Grass		216	216
Other		194	194
Shells, oyster	990		990
Silk		221	221
Skins and hides	255	3,256	3,511
Slate	625		625
Soap	936		936
Soda	367		367
Soda, ash	726		726
Soda, caustic	270		270
Sugar	436	1,063	1,499
Sulphur	17,000		17,000
Syrup	210	41	251
Talc		185	185
Tea		322	322
Tobacco	2,267	15	2,282
Toys	119		119
Turpentine	45		45
Vegetables		69	69
Waste		358	358
Wax	21		21
Wheat		67	67
Wines		390	390
Wool	10	2,305	2,315
Totals, November, 1926	220,765	621,001	841,766
Totals, November, 1925	185,281	580,865	765,146
Totals, November, 1924	155,019	509,379	664,398

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Two Weeks Ending December 11, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
La Brea	Standard Oil Co. of N. J.	November 28	November 29	2,995	(1)
Nora	Grace Line	November 29	November 30	7,000	(1)
Sapelo	U. S. Government	November 29	November 30	(2)	13
Chateau Thierry	U. S. Government	November 29	November 30	322	(1)
City of San Fancisco	Panama Mail S. S. Co.	November 30	November 30	104	(1)
Ecuador	Panama Mail S. S. Co.	November 30	December 1	151	(1)
Santa Ana	Grace Line	December 2	December 2	1	(1)
Argun Maru	Osaka Shosen Kaisha	December 1	December 1	156	(1)
Venezuela	Panama Mail S. S. Co.	December 7	December 8	228	(1)
Toba Maru	Nippon Yusen Kaisha	December 8	December 8	1,041	(1)
S. A. Perkins	James Griffiths & Sons	December 8	In port	6,693	.....
Vega	U. S. Government	December 10	December 10	44	(1)
Acajutla	Pacific Steam Navigation Co.	December 10	December 11	1	(1)
Stella	Olf. Jukheller	December 11	December 11	(1)	52

[1] No cargo laded. [2] No cargo discharged.

Notice to Mariners.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., December 9, 1926.

The following message was received by the Hydrographic Office through the Balboa radio:

4.50 p. m., December 8.

"The Commanding Officer, U. S. S. *Whipple* reports Gorda Point Light, east coast of Nicaragua, latitude 14° 21′ 03″ North, longitude 83° 11′ 45″ West, extinguished. Undergoing repairs for an indefinite period. (No signature.)

H. BURGESS,
Acting Governor.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.05 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $10.00 per ton of 2,240 pounds at Cristobal, and $13.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $10.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $11.00 per ton at Cristobal, $14.00 at Balboa. If less than 50 tons is taken from lighters, prices are $13.00 per ton at Cristobal and $16.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $11.00 Cristobal and $14.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, bunker ships at the rate of from 100 to 500 tons an hour, practically as fast as the nature of the vessel will allow. Oil can be delivered from 30 tanks aggregating approximately 1,500,000 barrels of storage capacity, as fast as the ships can take it. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A salvage service operated by the Canal is available for prompt assistance to vessels within a radius of a thousand miles of the Canal, or farther if required. Seagoing tugs or a wrecking tug with requisite equipment are dispatched on short notice.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective, in the course of handling large traffic through the Canal in nearly 10 years of operation.

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

MOVEMENTS OF OCEAN VESSELS.—Continued from page 253.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.

Date.	Vessel.	Line.	From—
December 11	Camito	Elders & Fyffes, Ltd	Port Limon, Costa Rica.
December 11	Virginia	Standard Fruit S. S. Co	San Blas, Rep. of Panama
December 11	San Mateo	United Fruit Co	Puerto Colombia, Colombia.
December 11	M. F. Benefit [32]	D. S. Britton	Colon, Rep. of Panama.

[32] Schooner. [33] Cruiser.

* DEPARTURES.

Date.	Vessel.	Line.	For—
December 11	Camito	Elders & Fyffes, Ltd	Bristol via Kingston.
December 11	Cleveland [34]	U. S. Navy	High seas.

PORT OF BALBOA.

* ARRIVALS.

Date.	Vessel.	Line.	From—
December 6	Ginyo Maru	Nippon Yusen Kaisha	Valparaiso, Chile.
December 6	Big Bill [34]	William Hale Thompson	Panama Bay, R. P.
December 7	Dos Hermanos [35]	R. Neumann	Panama Bay, R. P.
December 8	S. A. Perkins	James Griffiths & Son	Portland, Oreg.
December 10	Almirante [35]	Maurice Valencia	Panama Bay, R. P.

* DEPARTURES.

Date.	Vessel.	Line.	For—
December 6	Ginyo Maru	Nippon Yusen Kaisha	Hongkong, China.
December 6	Big Bill [34]	William Hale Thompson	Panama Bay, R. P.
December 7	Dos Hermanos [35]	R. Neumann	Panama Bay, R. P.
December 10	Almirante [35]	Maurice Valencia	Panama Bay, R. P.

[34] Motor yacht. [35] Motor schooner.

* Other than ships passing through the Canal.

THE PANAMA CANAL RECORD

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., December 22, 1926. No. 20.

Good Wishes of the Season.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., December 22, 1926.

As in previous years The Panama Canal and the Panama Railroad extend wishes for a Merry Christmas and a Happy and Prosperous New Year to all their patrons and employees, to the local contingents of the Army and Navy, and to the Republic of Panama.

The past year has been one of prosperity and growth for the Canal and its patrons. Nothing has occurred during the year to interrupt the safe and rapid transit of vessels, though there have been minor crisis which have tested our organization and proven its loyalty, efficiency, and resourcefulness in emergencies.

Another year of continued prosperity both for ourselves and our patrons is looked forward to with confidence that the high standard of service to the world's shipping established by Panama Canal and Panama Railroad employees will be maintained.

H. BURGESS,
Acting Governor, The Panama Canal.
Second Vice President, Panama Railroad.

Heavy Traffic for One Day Through Canal.

On December 18, 1926, 11 commercial vessels transited the Canal from the Pacific to the Atlantic, and 15 from the Atlantic to the Pacific. In point of net tonnage and tolls collected this was the largest days traffic through the Canal since the record established on May 25, 1923. The 25 transits equaled the record established on that date and also the record of July 8, 1926.

In the following table is shown detail of the former high records and the figures for December 18, 1926:

Date and direction.	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
May 25, 1923 (Atlantic to Pacific)	15	77,628	$68,814.17	63,895
May 25, 1923 (Pacific to Atlantic)	10	67,754	67,790.60	89,180
Totals	25	145,382	136,604.77	153,075
May 2, 1924 (Atlantic to Pacific)	7	33,222	28,941.06	28,833
May 2, 1924 (Pacific to Atlantic)	15	78,651	80,364.95	133,776
Totals	22	111,873	109,306.01	162,609
July 8, 1926 (Atlantic to Pacific)	11	51,605	47,868.96	31,279
July 8, 1926 (Pacific to Atlantic)	14	60,749	58,797.35	89,367
Totals	25	112,354	106,666.31	120,646
Dec. 18, 1926 (Atlantic to Pacific)	14	73,199	64,159.38	45,712
Dec. 18, 1926 (Pacific to Atlantic)	11	48,297	47,592.00	73,067
Totals	25	121,496	111,751.38	118,779

CANAL WORK IN NOVEMBER, 1926.

The following is the report of the Acting Governor to the Secretary of War, of Canal work in the month of November, 1926:

BALBOA HEIGHTS, C. Z., *December 14, 1926.*

The Honorable, the Secretary of War,
Washington, D. C.

SIR: I have the honor to submit the following report covering operations of The Panama Canal during the month of November, 1926:

NUMBER OF TRANSITS.

During the month, 428 commercial vessels transited the Canal. In addition to these, 19 nonseagoing launches measuring under 20 tons, and 33 vessels belonging to or chartered by the United States Government, transited the Canal. In addition to the above there were two transits of a Panaman Government vessel, making a total of 482 transits for the month, or a daily average on all transits of 16.06.

Tolls on the 428 commercial vessels amounted to $1,889,001.11, and on the launches to $102.48, making the total tolls collection for the month $1,889,103.59, or a daily average on all traffic of $62,970.12. The average amount of tolls paid by each of the commercial transits was $4,413.55, as compared with $4,470.14 for the month of October.

The total number of craft of all kinds transiting the Canal during the month of November, as compared with the same months in 1925 and 1924, is shown in the following tabulation:

	November, 1926.	November, 1925.	November, 1924.
Commercial vessels	428	424	384
Noncommercial vessels (Army and Navy)	33	20	16
Launches (under 20 tons measurement)	19	12	6
Panaman Government vessels	2	..	..
Total vessels and craft through Canal	482	456	406

In addition to the vessels listed above, Panama Canal equipment consisting of dredges, tugs, barges, launches, etc., was passed through the locks as follows:

	North-bound.	South-bound.	Total.
Gatun	12	11	23
Pedro Miguel	29	28	57
Miraflores	29	28	57
Totals	70	67	137

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of commercial vessels, Panama Canal net tonnage, tolls, and tons of cargo carried by commercial vessels transiting the Canal each month, from the beginning of the calendar year 1926, to the end of November, 1926, as compared with the same months in the preceding year:

Month.	No. vessels.		Panama Canal net tonnage.		Tons of cargo.		Tolls.	
	1925.	1926.	1925.	1926.	1925.	1926.	1925.	1926.
January	401	479	1,960,015	2,300,187	1,907,469	2,346,643	$1,832,024.35	$2,103,368.29
February	379	424	1,789,447	1,991,127	1,839,619	2,139,207	1,648,964.88	1,835,226.47
March	398	506	1,964,106	2,398,694	2,104,324	2,607,324	1,840,103.14	2,206,212.20
April	382	425	1,840,692	2,048,247	1,950,902	2,237,567	1,735,429.37	1,917,457.11
May	372	470	1,847,682	2,243,103	1,823,042	2,416,701	1,705,592.20	2,056,965.55
June	368	419	1,753,327	1,990,344	1,920,323	2,134,686	1,659,490.06	1,852,670.66
July	418	456	1,951,295	2,154,821	1,960,654	2,185,527	1,800,239.84	1,980,719.67
August	372	464	1,779,627	2,230,905	1,912,217	2,321,697	1,657,893.90	2,055,041.91
September	388	446	1,831,039	2,186,804	1,891,988	2,239,547	1,692,723.11	2,019,626.42
October	410	445	1,955,485	2,124,519	2,009,171	2,374,711	1,826,314.64	1,989,213.93
November	424	428	2,028,034	2,032,488	2,023,398	2,272,449	2,770,707.68	1,889,001.11
Totals	4,312	4,962	20,700,749	23,701,239	21,343,107	25,275,781	19,268,863.17	21,905,503.32

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in the direct service of the United States Government, including merchant vessels chartered by the Government, do not pay tolls. Shipping Board vessels in commercial service pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

The following is a summary of the commercial traffic for November, 1926, as compared with the corresponding month in 1925 and 1924, and the monthly average for the fiscal year 1926:

	November, 1926.	November, 1925.	November, 1924.	Average per month for fiscal year, 1926.
Number of vessels	438	424	384	433
United States net tonnage	1,591,593	1,607,873	1,484,736	1,621,069
Panama Canal net tonnage	2,032,488	2,028,034	1,872,531	2,064,549
Registered gross tonnage	2,583,361	2,612,907	2,379,863	2,639,385
Registered net tonnage	1,594,534	1,616,204	1,490,471	1,629,073
Tolls	$1,889,001.11	$1,870,087.68	$1,750,937.00	$1,910,921.33
Tons of cargo carried	2,272,449	2,023,398	1,961,593	2,169,787

The average daily number of transits, tonnage, tolls, and cargo are shown in the following statement, in comparative form, commercial vessels only:

	Average per day.			Average per day for fiscal year, 1926.
	November, 1926.	November, 1925.	November, 1924.	
Number of transits	14.26	14.13	12.80	14.24
Panama Canal net tonnage	67,749	67,601	62,418	67,875
Tolls	$62,967.03	$62,336.25	$58,364.57	$62,824.80
Tons of cargo carried	75,748	67,446	65,286	71,335

AVERAGE TONNAGE, TOLLS, AND TONS OF CARGO PER VESSEL.

The average tonnage, tolls, and cargo per vessel transiting the Canal during the month of November, 1926, as compared with November, 1925, and November, 1924, are shown in the following tabulation:

	Average per vessel.		
	November, 1926.	November, 1925.	November, 1924.
United States equivalent net tonnage	3,718	3,792	3,866
Panama Canal net tonnage	4,748	4,783	4,877
Registered gross tonnage	6,035	6,162	6,197
Registered net tonnage	3,725	3,811	3,881
Tolls	$4,413.55	$4,410.58	$4,559.62
Tons of cargo (including vessels in ballast)	5,309	4,772	5,108
Tons of cargo (laden vessels only)	6,312	5,831	6,188

TOLLS.

At present, tolls are collected at rates of $1.20 per ton for laden vessels and $0.72 per ton for vessels in ballast, computed on the basis of the Panama Canal rules of measurement, with the provision that tolls shall not exceed $1.25 per ton nor be less than $0.75 per ton as determined in accordance with the United States rules for the measurement of net registered tonnage. In order to ascertain the proper tolls charges, it is necessary, therefore, that the net tonnage of vessels transiting the Canal be determined both in accordance with the Panama Canal and the United States rules of measurement.

Taking the traffic through the Canal for the month of November, 1926, the following tabulation shows a comparison of tolls actually collected under the present method of assessing tolls and the tolls that would have been collected on the basis of the Panama Canal rules of measurement at the proposed rates of $1 laden and $0.60 ballast, with transits for the month segregated by flag:

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference	
			Increase.	Decrease.
Belgian	$3,983.75	$4,053.00	$69.25	
British	505,154.93	521,550.40	16,395.47	
Chilean	8,697.50	9,344.00	646.50	
Colombian	3,666.85	3,419.00		$247.85
Danish	13,753.75	15,537.00	1,783.25	
Danzig	14,495.00	14,014.00		481.00

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
Dutch	$54,975.99	$54,075.40		$900.59
French	48,600.00	47,885.00		715.00
German	57,568.42	63,918.20	$6,349.78	
Italian	27,616.85	26,179.00		1,437.85
Japanese	85,330.45	79,231.00		6,099.45
Norwegian	45,996.05	49,001.00	3,004.95	
Panamian	5,924.56	8,477.00	2,552.44	
Peruvian	11,741.05	12,322.00	580.95	
Spanish	6,845.00	6,671.00		174.00
Swedish	29,606.49	35,277.20	5,670.71	
United States	965,044.47	954,829.40		10,215.07
Totals	1,889,001.11	1,995,783.60	37,053.30	20,270.81

The decrease on vessels of United States registry would have been made up, with respect to channels of trade in which the vessels were engaged, as follows:

United States intercoastal trade	$13,967.54
United States foreign trade	[1] 2,255.65
United States-Canal Zone trade	[1] 1,496.82
Total	10,215.07

[1] Indicates increase under proposed rates.

RATIO OF CARGO TONNAGE TO NET TONNAGE.

The ratio of cargo tonnage to net tonnage, Panama Canal measurement, of vessels transiting the Panama Canal in November, 1926, is shown in the following tabulation, segregated by nationality of vessels and direction of transit. Laden vessels only are included:

Nationality.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Belgian		1.68	1.68
British	.94	1.34	1.13
Chilean	.56	1.14	.85
Colombian	1.56	.18	.89
Danish	1.22	1.60	1.52
Danzig		1.75	1.75
Dutch	.48	1.54	1.02
French	.19	1.64	1.20
German	1.21	1.46	1.36
Italian	.15	1.33	1.14
Japanese	1.14	1.43	1.30
Norwegian	1.14	1.72	1.55
Panamian	1.44	.31	.69
Peruvian	1.63	1.09	1.16
Spanish	.06	.58	.27
Swedish	1.26	1.42	1.36
United States	1.09	1.67	1.46
Average, November, 1926	1.00	1.54	1.32
Average, November, 1925	.85	1.53	1.25
Average, November, 1924	[illegible]	1.54	1.26

CLASSIFICATION OF VESSELS.

A further classification of commercial vessels passing through the Canal during the month of November, 1926, is as follows:

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Tank ships:						
Laden				45	266,352	$272,671.05
Ballast	41	254,064	$182,[illegible]	1	4,734	3,408.48
General cargo ships:						
Laden	146	[illegible]	656,213.65	[illegible]	753,628	731,823.25
Ballast	21	56,982	41,180.70	2	981	706.32
Totals	211	1,006,793	880,392.01	217	1,025,695	1,008,609.10

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Steamers	170	873,554	$772,977.73	183	911,776	$906,615.80
Motor ships	27	131,663	106,017.67	25	113,425	101,488.75
Motor schooners	4	503	579.35	3	276	303.75
Barges	5	798	598.50	.....	.....	.....
Launches	2	58	41.76	6	218	200.80
Yachts	3	217	177.00	.....	.....	.....
Totals	211	1,006,793	880,392.01	217	1,025,695	1,008,609.10

Of the 353 steamers, 247 were oil burning, 101 coal burning, and 5 burned either coal or oil.

NONCOMMERCIAL TRAFFIC.

The following statement shows the tonnage and amount of cargo carried by vessels transiting the Panama Canal free of tolls during the month of November, 1926. If tolls had been assessed against these vessels at commercial rates, the amount collected would have been approximately as indicated:

Class and nationality.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of transits.	Tonnage.	Tolls.	No. of transits.	Tonnage.	Tolls.
U. S. Naval vessels:						
Cruisers	1	[1] 3,200	$1,600.00	1	[1] 3,200	$1,600.00
Launches	2	[2] 10	7.20	.....	.....	.....
Mine sweepers	1	[1] 950	495.00	1	[1] 950	495.00
Submarines	6	[1] 5,436	2,718.00	6	[1] 5,436	2,718.00
Tankers	1	[2] 6,424	7,708.80	3	[2] 17,941	21,529.20
Transports	.....	.....	.....	1	[2] 4,944	5,932.80
Tugs	2	[1] 2,000	1.000.00	1	[1] 1,000	500.00
U. S. Army vessels:						
Mine planters	1	[1] 1,208	604.00	1	[1] 1,208	604.00
Transports	1	[2] 5,212	6,254.40	2	[2] 10,424	12,508.80
Tugs	1	[1] 1,000	500.00	1	[1] 1,000	500.00
Panaman Government vessels:						
Transports	1	[2] 101	72.72	1	[2] 101	72.72
Totals	17	.....	20,960.12	18	.....	46,460.52

[1] Indicates displacement tonnage. [2] Indicates Panama Canal net tonnage.

The foregoing noncommercial vessels transiting the Canal during the month of November, 1926, carried cargo as follows:

	Tons.
Atlantic to Pacific	703
Pacific to Atlantic	30,331
Totals	31,034

The following statement shows the number of launches transiting the Canal during the month of November, 1926. These launches, although paying tolls, are excluded from statements concerning commercial traffic:

	Number.	Tonnage.	Tolls.
Atlantic to Pacific	15	113	$94.65
Pacific to Atlantic	4	9	7.83
Totals	19	122	102.48

STATEMENT OF TERMINAL OPERATIONS.

Details of the business transacted at the Atlantic and Pacific terminals of the Panama Canal during the month of November, 1926, are shown in the following tabulation:

		Cristobal.	Balboa.	Total.
Local cargo arriving	tons	79,670	48,531	128,201
Local cargo shipped	tons	11,905	322	12,227
Transit cargo arriving	tons	2,262,380	2,328,300	4,590,680
Transit cargo clearing	tons	2,237,845	2,298,880	4,536,725
Cargo received for transshipment	tons	25,036	970	26,006
Cargo transshipped	tons	24,178	58	24,236
Vessels supplied with bunker coal:				
Commercial, other than Panama Railroad		74	5	79
Coal supplied to above vessels:				
Commercial, other than Panama Railroad	tons	34,026	115	34,141
Coal issued, miscellaneous:				
Panama Canal departments	tons	174	84	258
U. S. Army, excepting vessels	tons	173	.....	173
Individuals and companies	tons	86	.....	86
Panama Railroad S. S. Line	tons	1	.....	1
Transferred to Navy	tons	185	.....	185
Total issues and sales	tons	34,645	199	34,844
Coal on hand, December 1, 1926	tons	18,548	.....	18,548
Coal on hand, November 1, 1926	tons	31,476	14	31,490
Coal received during the month	tons	21,717	.....	21,717
Coal received from Navy	tons	.....	185	185
Fuel oil issued from Panama Canal tanks:				
Panama Canal departments	bbls	6,446.37	29,078.47	35,524.84
Panama Railroad Company	bbls	316.22	.....	316.22
Army and Navy	bbls	.....	743.93	743.93
Individuals and companies	bbls	.....	86.19	86.19
Total issues and sales	bbls	6,762.59	29,908.59	36,671.18
Fuel oil received during November, 1926	bbls	.....	.....	.....
Fuel oil on hand, December 1, 1926	bbls	52,656.47	7,113.25	59,769.72
Diesel oil sold during November, 1926	bbls	1,391.41	7.86	1,399.27
Diesel oil on hand, December 1, 1926	bbls	29,436.60	411.76	29,848.36
Miscellaneous transfers	bbls	.....	23,151.80	23,151.80
Gasoline and kerosene pumped for The Panama Canal	bbls	9,233.86	15,253.69	24,487.55
Gasoline pumped for individuals and companies	bbls	1,578.33	11,896.89	13,475.22
Oil pumped for individuals and companies	bbls	562,596.47	655,857.91	1,218,454.38
Total fuel oil, gasoline, and kerosene handled	bbls	581,562.66	736,076.74	1,317,639.40
Admeasurement of vessels:				
U. S. equivalent certificates issued		23	5	28
Measured for Panama Canal net tonnage		7	1	8
Remeasured for Panama Canal net tonnage		17	3	20
Panama Canal net tonnage corrected		3	2	5
U. S. equivalent tonnage corrected		8	6	14
Services for harbor equipment:				
Tugs, total operating hours		985¼	332¾	1,318¼
Launches, total operating hours		1,360	1,472¾	2,832¾
Scows, total operating days			3	3
Revenue from tug service, pilotage, etc.:				
Tug revenue		$13,312.50	$11,177.50	$24,490.00
Pilotage		18,228.00	7,398.00	25,626.00
Seamen		9,548.00	10,032.00	19,580.00
Launch service		1,575.50	3,061.00	4,636.50
Wharfage		12,978.95	4,421.86	17,400.61
Ships measured		145.00	110.00	255.00
Miscellaneous cash collections		39.70	149.00	188.70
Ships repaired at Panama Canal shops:				
Commercial		30	7	37
U. S. Army and Navy		5	4	9
Panama Canal equipment		19	17	36
Vessels dry docked:				
Commercial		1	1	2
U. S. Army and Navy			1	1
Panama Canal equipment		1	6	7
Clearances issued		268	204	472
Bills of health issued		270	206	476

ALL VESSELS ENTERING AND CLEARING PORT.

	Port of Cristobal.			Port of Balboa.		
	No. of ships.	Registered gross tonnage.	Registered net tonnage.	No. of ships.	Registered gross tonnage.	Registered net tonnage.
Ships entering.						
All vessels, including those transiting Canal	488	2,952,508	1,817,578	442	2,711,497	1,686,731
Vessels entering port but not transiting Canal	70	329,187	196,005	3	27,457	18,255
Vessels transiting Canal and handling passengers and cargo at terminal ports	92	558,338	339,671	67	419,128	249,718
Ships clearing.						
All vessels, including those transiting Canal	482	2,916,931	1,797,372	441	2,709,613	1,681,845
Vessels clearing port but not transiting Canal	69	320,438	190,916	5	36,739	25,095
Vessels transiting Canal and handling passengers and cargo at terminal ports	91	553,345	338,615	66	413,583	246,283

MOVEMENT OF PASSENGERS.

	At Cristobal.			At Balboa.		
	First-class.	Others.	Total.	First-class.	Others.	Total.
Disembarking:						
From Atlantic ports	1,473	711	2,184	86	222	308
From Pacific ports	123	90	213	248	153	401
Total disembarking	1,596	801	2,397	334	375	709
Embarking:						
For Atlantic ports	958	566	1,524	31	332	363
For Pacific ports	190	77	267	88	108	196
Total embarking	1,148	643	1,791	119	440	559
Remaining on board:						
From Atlantic to Pacific ports	1,241	2,604	3,845	1,128	2,329	3,457
From Pacific to Atlantic ports	746	1,198	1,944	934	1,283	2,217
From Atlantic to Atlantic ports	532	122	654	.....	.....	.....
From Pacific to Pacific ports	.....	.....	.....	.....	.....	.....
Total remaining on board	2,519	3,924	6,443	2,062	3,612	5,674
Total arriving	4,115	4,725	8,840	2,396	3,987	6,383
Total departing	3,667	4,567	8,234	2,181	4,052	6,233

PASSENGER-CARRYING VESSELS THROUGH CANAL.

	Total commercial vessels.	Passenger-carrying vessels.	Per cent of total transits.
From Atlantic to Pacific	211	34	16.1
From Pacific to Atlantic	217	40	18.4
Totals	428	74	17.3

In addition to the aforesaid, 69 passenger-carrying vessels called at the port of Cristobal, without transiting the Canal, making a total of 143 passenger-carrying vessels calling at Canal ports during the month.

COMMISSARY SALES TO VESSELS.

Following is a statement of commissary sales to vessels during the month of November, 1926:

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Cristobal to:						
Commercial vessels	$1,744.89	$10,005.17	$21,239.66	$336.25	$3,756.43	$37,082.40
Government vessels	187.07	1,588.35	11,408.85	.....	896.63	14,080.90
Panama Railroad vessels	.....	.....	737.70	614.15	266.11	1,617.96
Total sales, November, 1926	1,931.96	11,593.52	33,386.21	950.40	4,919.17	52,781.26
Total sales, November, 1925	2,022.17	10,667.12	29,893.83	1,183.32	4,993.41	48,759.85
Total sales, November 1924	2,774.36	6,117.83	25,488.44	893.62	2,409.53	37,683.78

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Balboa to:						
Commercial vessels	$396.88	$7,126.03	$10,153.32	$539.85	$2,461.75	$20,677.83
Government vessels	188.19	2,878.94	9,836.87	104.69	383.88	13,392.57
Total sales, November, 1926	585.07	10,004.97	19,990.19	644.54	2,845.63	34,070.40
Total sales, November, 1925	1,109.83	9,753.61	30,046.18	222.28	2,554.67	43,677.57
Total sales, November, 1924	810.41	9,992.46	18,331.79	592.74	1,156.43	30,883.83

The aggregate sales to Government vessels during the month were $27,473.47; to Panama Railroad vessels, $1,617.96; and to other commercial vessels, $57,760.23; making the total sales to all vessels, $86,851.66.

LOCK OPERATIONS.

The following tabulation shows the number of lockages, and the number of vessels passing through the locks, during the month of November, 1926, as compared with the corresponding month in 1925 and 1924, together with the consumption of water for the lockages, maintenance, etc., in November, 1926, as compared with the preceding month and the corresponding month in 1925:

Locks.	Number of lockages.						Comparative grand totals.		
	Commercial.			Noncommercial.					
	North.	South.	Total.	North.	South.	Total.	Nov., 1926.	Nov., 1925.	Nov., 1924.
Gatun	214	194	408	6	4	10	418	418	374
Pedro Miguel	209	198	407	13	18	31	438	438	406
Miraflores	209	198	407	12	15	27	434	434	401
	Number of vessels put through locks.								
Gatun	230	224	454	32	28	60	514	499	419
Pedro Miguel	222	208	430	46	45	91	521	506	451
Miraflores	222	208	430	46	45	91	521	511	450

CLASSIFICATION OF NONCOMMERCIAL VESSELS.

	Gatun.	Pedro Miguel.	Miraflores.
Army and Navy vessels	37	34	34
Panama Canal equipment	23	57	57

The total consumption of water for lockages, maintenance, and loss in leakage was as follows:

	Gatun.	Pedro Miguel.	Miraflores.
	Cubic feet.	*Cubic feet.*	*Cubic feet.*
Lockages	1,599,490,000	1,448,010,000	1,354,540,000
Maintenance	8,950,000	12,150,000	6,880,000
Leakage	30,000,000	9,800,000	20,000,000
Totals, November, 1926	1,638,440,000	1,470,560,000	1,381,420,000
Totals, October, 1926	1,773,700,000	1,481,520,000	1,465,460,000
Totals, November, 1925	1,696,070,000	1,391,110,000	1,355,080,000

METEOROLOGY AND HYDROGRAPHY.

In the following tabulation the meteorological and hydrographic conditions over the Canal Zone and vicinity during the month of November are shown in comparative form:

Rainfall for month.	November.		November—Years of record.		
	1926.	1925.	Maximum.	Minimum.	Mean.
	Inches.	*Inches.*	*Inches.*	*Inches.*	*Inches.*
Pacific section	9.79	5.76	19.62	5.64	10.35
Central section	12.30	12.98	30.40	7.47	13.82
Atlantic section	29.36	21.60	38.48	6.70	22.13
Maximum recorded on any one day	5.82	6.89	[1] 9.35	.....	...
Gatun Lake watershed	17.90	15.58	35.74	9.60	15.03
Chagres River watershed above Alhajuela	19.77	15.69	40.48	9.15	17.65
Maximum recorded for month at any one point	34.68	24.08	45.03	.....	.....
Minimum recorded for month at any one point	3.90	3.22	.....	1.52	.....
Hydrography.	*C. f. s.*	*C. f. s.*	*C. f. s.*	*C. f. s.*	*C. f. s.*
Discharge of Chagres River at Alhajuela	3,277	3,818	11,300	2,267	4,522
Maximum momentary discharge for the month	11,630	21,050	[2] 78,900	.....	.....
Gatun Lake watershed, total yield	11,964	11,672	24,488	8,673	13,493
Gatun Lake watershed, net yield	11,502	11,165	23,950	7,995	13,026
Draft on Gatun Lake for lockages and power	[3] 2,678	2,699	2,699	[3] 1,066	[3] 2,162

[1] 12.25 represents the maximum 24-hour rainfall recorded on the Canal Zone and vicinity since American occupation recorded at Gatun on October 23 and 24, 1923. Note—Extreme outlying stations in the Republic of Panama not included in this report. [2] November 19, 1999. [3] Not including November, 1914.

SEISMOLOGY.

One seismic disturbance was recorded on the 5th.

ELECTRICAL DIVISION.

In addition to the usual operating and maintenance work performed by this division, electrical installation and repair work was made on 22 vessels during the month. There were 307 work orders issued during November, as compared with 351 work orders issued during the month of October, 1926.

MECHANICAL DIVISION.

During the month miscellaneous repairs were made on 54 vessels at Cristobal and 28 at Balboa.

General repairs were performed on the steamship *General O. H. Ernst*, and the ship prepared to be seaworthy. On the steamship *Jamaica*, extensive overhauling and reconstruction throughout the entire vessel was performed.

MUNICIPAL ENGINEERING DIVISION.

The usual maintenance work on roads, streets and walks, and to the water and sewer systems was performed during the month.

The amount of water pumped during the month totaled 627,534,000 gallons.

DREDGING DIVISION.

East Culebra slide has shown no general movement, except a settlement along the bank of the basin. The dredges have removed 405,250 cubic yards of material from this slide during the month and a grand total of 806,250 cubic yards since the movement of October 6.

West Culebra slide has shown an average movement of 1.6 feet perpendicular to the Canal axis during the month. The dredges removed 40,550 cubic yards of material from this slide.

East Lirio slide has shown no further movement since the 13th of the previous month with the exception of a small bank break, the material pushing out for about 60 feet from the prism line.

There were no other slide movements and there was no interference with Canal traffic during the month.

The total excavation during the month was 722,302 cubic yards, as follows:

Cubic yards.	Classified as—		Character of work.	Station.	Equipment.
	Earth.	Rock.			
122,400	122,400	.....	Maintenance	Atlantic entrance, maintenance	*No. 83.*
190,550	28,600	161,950	Maintenance	Gaillard Cut, East Culebra slide	*Cascadas.*
149,850	29,950	119,900	Maintenance	Gaillard Cut, East Culebra slide	*Paraiso.*
64,850	12,950	51,900	Maintenance	Gaillard Cut, East Culebra slide	*Gamboa.*
18,400	6,950	11,450	Maintenance	Gaillard Cut, West Culebra slide	*Paraiso.*
3,300	3,300	.....	Maintenance	Pacific entrance, Project No. 1	*No. 86.*
100,100	100,100	.....	Maintenance	Pacific entrance, maintenance	*No. 86.*
36,200	36,200	.....	Maintenance	Balboa inner harbor, Project No. 1	*No. 86.*
13,500	13,500	.....	Maintenance	Balboa inner harbor, maintenance	*No. 86.*
1,002	1,002	.....	Auxiliary	Sand from Chame	*La Valley.*
22,150	3,350	18,800	Maintenance	Gaillard Cut, West Culebra slide	*Cascadas.*

OCCUPANTS OF QUARTERS.

The number of persons including men, women, and children, occupying Panama Canal and Panama Railroad quarters on November 30, 1926, totaled 20,617, of whom 7,032 were Americans, 189 Europeans, and 13,396 West Indians. The total number of persons in quarters on November 30, 1925, was 19,316.

WORKING FORCE.

The following tabulation shows the number of gold and silver employees as of November 17, 1926, together with a comparison of the working force for the preceding month, and for November, 1925:

	As of November 17, 1926.			Total employees.	
	Gold.	Silver.	Total.	Oct., 1926.	Nov., 1925.
Operation and Maintenance:					
Office	39	36	75	74	69
Electrical	161	193	354	356	347
Municipal Engineering	78	517	595	667	747
Lock Operation	218	635	853	850	810
Dredging	190	951	1,141	1,150	941
Mechanical	417	786	1,203	1,213	1,224
Marine	191	551	742	769	804
Institutions	14	171	185	96	324
Totals	1,308	3,840	5,148	5,166	5,266
Supply Department:					
Quartermaster	182	1,427	1,609	1,637	1,540
Subsistence	7	91	98	96	103
Commissary	203	1,014	1,217	1,204	1,135
Cattle Industry	7	323	330	263	136
Hotel Washington	8	90	98	92	95
Transportation	46	201	247	256	222
Totals	453	3,146	3,599	3,555	3,231
Accounting Department	197	8	205	208	203
Health Department	227	761	988	1,001	943
Executive Department	491	278	769	758	778
Totals	915	1,047	1,962	1,967	1,924
Panama Railroad:					
Superintendent	45	203	248	253	251
Transportation	62	114	176	177	174
Receiving & Forwarding Agent	83	1,578	1,661	1,312	1,233
Cooling stations	48	288	336	320	302
Totals	238	2,183	2,421	2,062	1,960
Grand totals, November, 1926	2,914	10,216	13,130		
Grand totals, October, 1926	2,914	9,836		12,750	
Grand totals, November, 1925	2,850	9,531			12,381

VITAL STATISTICS.

A total of 167 deaths occurred during the month of November, 1926, among the population of the Canal Zone, and the cities of Panama and Colon, which is equivalent to an annual death rate of 14.88 per 1,000. The leading causes of death were: Tuberculosis (various organs), 29; pneumonia (broncho and lobar), 21; nephritis (acute and chronic), 17; diarrhea and enteritis (acute and chronic), 12; organic diseases of the heart, 9. There were 22 deaths among nonresidents of the Isthmus; these are not included in the above statistics.

There were 314 live births reported during the month, and 14 stillbirths. Including stillbirths, this is equivalent to an annual birth rate of 30.77 per 1,000 population. Deaths among children under 1 year of age numbered 36, giving an infant mortality rate of 114.65 per 1,000 live births.

The total number of malaria cases reported from the Zone and the cities of Panama and Colon during November, was 51, of whom 7 were employees (3 white and 4 colored), 2 were members of white employees' families, 11 were other civilian non-employees, and 31 were Army and Navy personnel. Six of the 9 employees and members of their families, were probably infected outside our sanitated areas, as they gave a history of working, living, or having been in such areas at night previous to their becoming sick.

There were 4 deaths from malaria, all Panamanian children, whose infection was definitely traced to unsanitated areas in the Republic or Canal Zone.

RECEIPTS AND SALES OF MATERIALS AND SUPPLIES.

The value of material ordered on United States requisitions and received on the Isthmus during the month totaled $323,805.28, of which $314,036.97 was for the Department of Operation and Maintenance and $9,768.31 for other Panama Canal departments.

Cash sales on the Isthmus from stock, fuel oil, scrap, and obsolete and second-hand material amounted to $41,453.21.

FINANCIAL STATEMENT.

The following statement shows in a condensed form the aggregate revenues and expenditures for the month of October, 1926, as compared with October, 1925, together with figures for the first three months of the current fiscal year as compared with the same period in the fiscal year, 1926.

It is impossible to submit the figures for the month of November at the time of writing this report, since all the charges, etc., involved in the accounting have not been completed:

	Month.		Fiscal year.	
	October, 1926.	October, 1925.	This year.	Last year.
Tolls	$1,989,338.49	$1,826,421.65	$8,044,834.16	$6,976,635.67
Other receipts	285,362.94	301,687.23	1,104,108.52	1,062,206.83
Total transit revenues	2,274,701.43	2,128,108.88	9,148,942.68	8,038,842.50
Total transit expenses	983,013.39	1,023,991.45	3,845,402.49	3,466,218.36
Net transit revenues	1,291,688.04	1,104,117.43	5,303,540.19	4,572,624.14
Three per cent capital charge	609,475.09	612,219.59	2,439,502.34	2,447,979.09
Total transit surplus	682,212.95	491,897.84	2,864,037.85	2,124,645.05
Business revenues	1,242,318.63	1,340,119.84	4,544,134.17	4,956,119.57
Business expenses	1,184,497.21	1,289,639.10	4,256,613.91	4,728,855.83
Net business revenues	57,821.42	50,480.74	287,520.26	227,263.74
Three per cent capital charge	56,764.14	53,196.51	239,687.88	227,113.84
Business surplus	1,057.28	2,715,77	47,832.38	149.90
Combined revenues	3,246,240.51	3,182,491.49	12,648,176.50	11,990,374.83
Combined expenses	1,896,731.05	2,027,893.32	7,057,110.05	7,190,486.95
Combined net revenues	1,349,509.46	1,154,598.17	5,591,060.45	4,799,887.88
Three per cent capital charge	666,239.23	665,416.10	2,679,190.22	2,675,092.93
Combined surplus	683,270.23	489,182.07	2,911,870.23	2,124,794.95

Respectfully,
H. BURGESS,
Acting Governor.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, December 18, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Deucalion	11	20.50	12	6.25	12	13.40	12	16.00	British	Alfred Holt & Co.	443.0	52.8	27.10	New York, N. Y.	Shanghai, China.	General	5,463	7,092	4,928
Suspearco	12	1.00	12	7.25	12	15.07	12	16.15	American	Transmarine Lines	324.0	46.3	16.0	New Orleans, La.	Los Angeles, Calif	General	1,155	3,984	2,612
Brynje	12	6.40	12	7.30	12	15.05	12	19.20	Norwegian.	J. J. Moore & Co	350.0	51.3	24.0	Tampa, Fla	Osaka, Japan.	(1)	6,150	4,944	3,518
Trelissick	12	8.32	12	8.50	12	16.01	12	19.20	British	N. Z. Shipping Co.	400.0	52.0	24.0	Montreal, Canada	Auckland, N. Z.	General	6,000	5,804	4,066
Lochmonar [2]	11	17.15	13	6.10	13	16.11	13	19.25	British	Royal Mail S. P. Co	485.7	52.3	19.10	Rotterdam, Holland	Vancouver, B. C.	General, bananas	2,739	10,766	7,512
Minnesotan	12	15.00	13	6.10	13	13.10	13	14.20	American	Amer.-Hawaiian Line	407.0	53.7	24.4	Boston, Mass.	Los Angeles, Calif	General	5,013	7,150	4,899
Canadian Ranger	13	2.50	13	7.30	13	14.22	13	15.32	British	Can. Gov. Mer. Marine	400.4	52.0	22.0	Montreal, Canada	Vancouver, B. C.	General	5,463	5,879	4,121
Dixie Arrow [3]	13	5.20	13	8.30	13	15.26	13	16.35	American	Standard Oil Co.	468.3	62.7	21.0	New York, N. Y.	Los Angeles, Calif	Ballast		9,744	7,140
Estrella [2]	12	19.52	13	9.45	13	16.47	13	17.50	Norwegian.	General S. S. Corp.	375.7	51.5	23.0	Bahia Blanca, Arg	San Francisco, Cal.	Maiz, general	6,012	5,627	4,012
Mississippi	12	6.22	13	10.40	13	17.38	13	18.30	French	French Line	410.0	52.6	19.1	Port-de-France, F. W. I.	Valparaiso, Chile	General	1,065	7,156	4,984
Sunbeam [4]	13	00.15	13	10.50	13	18.00	13	19.09	American	Sun Oil Co.	429.3	59.2	21.7	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,709	5,481
Amazonas	11	16.40	13	12.07	13	20.04	16	1.25	Peruvian	Peruvian Line	350.0	40.0	22.10	New York, N. Y.	Callao, Peru	General, coal	2,847	3,744	2,621
Kermit	13	9.05	13	13.25	13	20.50	13	22.14	American	Sudden & Christensen.	472.0	60.0	23.7	Hamburg, Germany	Vancouver, B. C.	General	6,207	9,032	6,655
Launch			13	.....	13	8.09			American	U. S. Navy				Cristobal, C. Z	Gatun, C. Z				
Pomona	13	23.40	14	6.25	14	14.03	14	18.10	American	Norton, Lilly & Co.	440.0	56.0	28.8	New York, N. Y.	Seattle, Wash	(2)	10,584	8,324	6,036
Elmbank [2]	14	00.10	14	7.10	14	14.28	14	15.40	British	Andrew Weir & Co.	420.0	53.9	23.0	Baltimore, Md	Nagoya, Japan.	(3)	6,498	7,097	4,994
Bastidas [5]	14	1.00	14	9.10	14	15.45			Colombian	Colombian Government	127.2	32.6	11.0	Cartagena, Col	Balboa, C. Z	Ballast			
Baron Minto	14	10.20	14	11.50	14	18.08	14	19.18	British	H. Hogarth & Sons	385.0	51.0	16.0	Norfolk, Va.	Pimental, Peru	Ballast		5,060	3,787
Montana [4]	14	13.25	14	13.35	14	19.42	14	21.10	Norwegian.	W. Wilhelmsen	425.0	57.0	20.0	Boston, Mass	Los Angeles, Calif	Ballast		7,117	5,099
Steelore	14	6.55	15	6.20	15	13.58	15	18.05	American	Ore S. S. Corp.	550.3	72.2	21.8	Norfolk, Va.	Cruz Grande, Chile	Ballast		15,551	4,297
Atrato [6]	8	21.25	15	6.15	15	14.06	16	19.15	Colombian	Colombian Transp. Co.	94.2	24.0	9.0	Cristobal, C. Z	Buenaventura, Col.	General	100	160	92
Skramstad [2]	14	17.20	15	6.18	15	14.06	15	15.10	Norwegian.	Fearnley & Eger.	381.6	53.3	22.0	New Orleans, La	Osaka, Japan.	Cotton	4,247	6,082	4,236
Zuiderzee [8]	14	14.55	15	6.27	15	15.59	15	19.45	Dutch.	L. Smith & Co.	100.0	19.0	14.0	Cristobal, C. Z	Talara, Peru	(9)		220	31
Barge I-3 [9]	11-8	13.03	15	6.27	15	15.59	15	19.45	Dutch.	L. Smith & Co.				Cristobal, C. Z	Talara, Peru	Ballast		266	266
Barge I-4 [8]	11-8	13.03	15	6.27	15	15.59	15	19.45	Dutch.	L. Smith & Co.				Cristobal, C. Z	Talara, Peru	Ballast		266	266
Mongolia	15	7.45	15	8.00	15	15.03	15	23.25	American	Panama-Pacific Line	600.0	65.0	28.0	New York, N. Y.	San Francisco, Cal.	General, etc.	2,030	17,041	11,426
City of Lordsburg	14	18.55	15	8.35	15	16.45	15	17.50	American	Coastwise Stm. & Bg. Co	324.0	46.2	24.5	Norfolk, Va.	San Francisco, Cal.	Sulphur	4,647	3,983	2,624
City of Victoria	15	6.55	15	10.10	15	17.31	15	23.56	British	Brit.-Canadian S. S. Co.	410.6	54.0	23.10	Sydney, Nova Scotia	Vancouver, B. C.	(10)	7,500	6,597	4,989
Horace Luckenbach	15	8.23	15	11.00	15	17.59	15	19.15	American	Luckenbach Line	445.0	58.0	25.2	New York, N. Y.	Seattle, Wash	General	6,986	8,699	6,363
Garfield	15	8.26	15	12.00	15	18.38	15	23.56	American	N. O. & S. A. S. S. Line	299.4	45.0	18.7	New Orleans, La	San Antonio, Chile.	General	1,476	3,256	2,010
Fella [2]	14	23.15	15	14.10	15	20.12	16	14.35	Italian	Nav. Libera-Triestina	430.0	55.3	17.10	Venice, Italy	Vancouver, B. C.	General	1,496	7,784	5,913
Santa Elisa	15	16.35	16	6.15	16	14.44	16	18.05	American	Grace Line	360.3	51.7	24.0	New York, N. Y.	Talcahuano, Chile	General	2,348	5,957	4,325
Cauca [7]	11	17.43	16	6.00	16	15.25	16	18.05	Colombian	Cia. National de Nav.	107.0	22.0	9.6	Cristobal, C. Z	Buenaventura, Col.	General	300	238	163
Bochum	15	1.08	16	7.05	16	16.02	16	16.55	German	Kosmos Line	450.0	58.2	21.7	Antwerp, Belgium	San Francisco, Cal.	General	2,800	7,812	5,495

[1] Tanker. [2] Motor ship. [3] Phosphate rock, and cotton. [4] Tug. [5] Steel, pipe, and general. [6] Case oil and general. [7] Motor schooner. [8] Towed by tug *Zuiderzee*. [9] Towing barge.
[10] Steel rails and steel products.

Cedar Branch	15	16.40	16	8.45	16	16.54	16	18.05	British	F. & W. Ritson	399.5	51.0	17.5	Cardiff, England	Valparaiso, Chile	General	2,095	4,927	3,597
Sorvard [1]	16	10.55	16	11.10	16	17.48	17	2.10	Norwegian	Lauritz Kloster	368.0	51.0	21.0	Port Arthur, Tex.	Newcastle, N. S. W.	Gen., case oil	6,059	5,404	3,970
Pathfinder [11]			16		16	12.58			American	R. S. Mathews				Cristobal, C. Z.	Gatun, C. Z.	Ballast		5	5
Tut [11]			16		16	12.58			American	J. J. Burton				Cristobal, C. Z.	Gatun, C. Z.	Ballast		1	1
Acajutla	11	15.40	17	6.10	17	12.10	17	14.35	British	Pacific Steam Nav. Co	215.7	33.5	17.6	Cristobal, C. Z.	Champerico, Guat.	General	1,153	1,273	706
Annie Edith [2]	13	18.00	17	6.10	17	13.48	17	16.00	British	McKay Harmsworth Oil Export Co.	148.1	19.6	9.0	London, England	Guayaquil, Ecuador	General	205	297	170
Marore	16	3.25	17	6.15	17	13.33	17	14.36	American	Ore S. S. Corp	550.3	72.2	21.6	Norfolk, Va.	Cruz Grande, Chile	Ballast		15,551	4,297
Gargoyle [1]	17	5.00	17	7.20	17	14.43	17	15.45	American	Vacuum Oil Co	425.0	57.0	21.0	Philadelphia, Pa.	San Francisco, Cal.	Ballast		7,510	4,989
Amerikaland [2]	17	6.05	17	7.30	17	15.33	18	00.10	Swedish	Ore S. S. Corp	572.0	72.0	21.0	Baltimore, Md.	Cruz Grande, Chile	Ballast		15,560	4,496
Trelevan	17	6.48	17	8.25	17	16.28	17	17.35	British	Hain S. S. Co	429.0	54.6	23.0	New York, N. Y.	Auckland, N. Z.	General	4,500	6,102	4,331
Pennsylvanian	17	00.45	17	9.33	17	16.34	17	17.35	American	Amer.-Hawaiian Line	429.0	53.7	21.5	Boston, Mass.	Seattle, Wash.	General	4,021	7,107	4,989
Louis L. D.	17	6.40	17	11.00	17	17.39	17	20.00	French	Louis Dreyfus & Co	493.0	52.0	25.0	Bordeaux, France	Noumea, N. Caled	General	6,000	5,722	4,097
Nootka	17	6.45	17	11.00	17	19.47	17	21.25	British	Can. Pacific R. R. Co	251.3	33.7	19.8	Montreal, Canada	Vancouver, B. C.	(13)	2,575	2,151	1,253
Africstar	17	7.00	17	11.55	17	18.50	18	00.10	British	Blue Star Line	475.8	67.0	17.0	River Tyne, Eng.	Vancouver, B. C.	Ballast		11,749	7,755
Leon XIII	15	19.58	17	13.05	17	20.26	18	00.10	Spanish	Spanish Line	410.4	46.10	23.6	Barcelona, Spain	Valparaiso, Chile	General	406	5,521	3,729
Cricamola [11]			17		17	15.37	17	15.57	Panamian	United Fruit Co.	195.0	14.0		Gatun, C. Z.	Balboa, C. Z.	Ballast		92	57
Santa Cecilia	17	18.45	18	6.10	18	13.39	18	14.15	American	Argonaut S. S. Line	471.0	53.9	28.0	New York, N. Y.	Seattle, Wash.	Steel, general	8,219	6,745	4,562
Mandalay	17	18.08	18	6.30	18	14.19	18	15.36	British	Com'lth & Dom. Line	425.0	54.0	21.6	New York, N. Y.	Freemantle, Aus'lia	General	4,297	6,126	4,495
J. A. Moffett, Jr [1]	16	19.40	18	6.50	18	15.12	18	16.15	American	Standard Oil Co	499.2	68.1	17.0	Cristobal, C. Z.	Talara, Peru	Ballast		11,037	7,995
Bohemian Club [1]	17	21.40	18	7.13	18	15.59	18	16.55	American	Atlantic Refining Co.	425.0	57.2	22.0	Philadelphia, Pa.	Los Angeles, Calif	Ballast		7,204	4,769
Tiltjoen	17	23.10	18	8.29	18	15.17	18	17.30	Norwegian	DuPont & Co	429.0	54.0	15.6	Norfolk, Va.	Taltal, Chile	Ballast		6,591	4,730
Ipswich	18	4.53	18	8.15	18	17.11	18	18.25	American	Arrow Line	490.7	54.0	24.0	Savannah, Ga.	Portland, Oreg.	General	6,591	6,616	4,614
Sosua	17	10.48	18	9.55	18	21.30	18	21.30	Norwegian	United Fruit Co.	225.0	33.6	13.0	Mobile, Ala.	Gatun, C. Z. [14]	Bananas	272	1,218	681
Yorean	13	6.55	18	9.45	18	18.01	19	4.30	British	Com'lth & Dom. Line	410.0	52.0	19.8	New York	Auckland, N. Z.	General	5,549		
David McKelvy [1]	18	7.45	18	9.49	18	17.36	18	18.48	American	Tidewater Oil Co.	430.0	59.0	18.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,629	5,325
S. C. T. Dodd [1]	18	11.23	18	11.27	18	18.43	18	22.55	American	Standard Oil Co	425.0	57.2	19.0	New York, N. Y.	Los Angeles, Calif	Ballast		7,481	4,975
Tolgking [2]	18	11.27	18	11.35	18	19.43	19	16.48	Danish	East Asiatic Co.	410.0	55.2	26.9	Copennagen, Den'k	Vancouver, B. C.	(18)	8,431	7,013	5,317
Venezuela	17	7.25	18	12.55	18	20.30	18	21.45	Italian	Nav. Gen. Italiana	420.0	51.6	23.6	Genoa, Italy	Valparaiso, Chile	General	465	7,622	5,051
Corinthic	18	5.55	18	13.45	18	21.37	18	22.50	British	Shaw, Savill & Albion	500.3	63.0	28.0	London, England	Wellington, N. Z.	General	5,490	12,821	9,507
Amersfoort	17	19.15	18	14.0	18	22.15	18	23.17	Dutch	Royal Neth. W. I. Mail	483.1	62.7	24.7	Hamburg, Germany	Corral, Chile	General	6,488	10,083	6,883

[1] Tanker. [11] Tanker. [2] Yacht. [13] Merchandise, steel, and tin plates. [14] And return to Mobile, Ala. [18] Iron, paper, cement, and potash.

THROUGH THE CANAL PACIFIC TO ATLANTIC.

Apurimac	11	16.00	12	6.30	12	14.30	13	13.50	Peruvian	Peruvian Line	382.0	48.2	21.9	Callao, Peru	New York, N. Y.	General	4,699	4,867	3,544
Pennekom	12	1.30	12	7.11	12	15.35	13	00.10	Dutch	Royal Neth. W. I. Mail	413.7	53.0	26.0	Bahia de Caraquez	Hamburg, Germany	General	8,602	7,849	5,806
August	12	2.30	12	8.04	12	16.15	13	00.50	Norwegian	Canadian Transp. Co	410.0	54.0	25.0	Victoria, B. C.	Boston, Mass.	Lumber, general	7,000	6,235	4,723
Corvus	12	4.00	12	8.52	12	16.17	12	16.17	American	Planet Line	410.0	54.2	24.0	Tacoma, Wash.	New York, N. Y.	Lumber, general	7,221	6,604	4,655
W. M. Burton [1]	12	4.40	12	9.15	12	17.45	12	17.45	American	Atlantic Refining Co	435.0	56.0	31.0	Los Angeles, Calif	Philadelphia, Pa.	Fuel oil	11,226	7,388	5,424
Roland	12	7.45	12	9.35	12	18.15	13	12.00	German	Roland Line	360.0	51.0	23.8	Guayaquil, Ecuador	Antwerp, Belgium	General	6,207	4,791	3,374
Paulsboro [1]	12	11.15	12	12.18	12	19.45	12	19.45	American	Vacuum Oil Co	435.0	56.0	26.8	Los Angeles, Calif.	New York, N. Y.	Gas oil	9,942	7,041	4,838
Swiftwind [1]	11	22.06	12	13.11	12	20.57	12	20.57	American	C. D. Mallory & Co.	464.65	60.2	27.2	Los Angeles, Calif	Bayonne, N. J.	Crude oil	11,017	8,473	5,997
Arna	12	15.25	13	6.15	13	15.29	13	17.10	Norwegian	Can.-Amer. Ship. Co	410.0	54.0	24.8	Vancouver, B. C.	New York, N. Y.	Lumber, shingles	8,000	6,258	4,744
Parana	12	19.20	13	7.21	13	16.55	13	19.20	British	Royal Mail S. P. Co	375.3	48.3	21.5	Seattle, Wash.	United Kingdom	Fruit	2,181	4,717	3,359
Essequibo	13	5.50	13	8.15	13	16.26	14	00.10	British	Pacific Steam Nav. Co.	459.0	57.8	24.10	Talcahuano, Chile	New York, N. Y.	(16)	3,386	9,158	6,176
Pasteur	13	6.20	13	9.34	13	18.05	16	8.40	French	Cie. Chargeurs Francais	362.0	49.0	21.0	Noumea, N. Caled.	Havre, France	General	4,857	4,836	3,269

[1] Tanker, [16] Nitrate, copper, and general.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net
Swifteagle [1]	13	11 47	13	12 36	13	20 25	13	20 25	American	C. D. Mallory & Co.	464.65	60.2	28.0	Los Angeles, Calif	Fall River, Mass.	Crude oil	10,755	8,473	5,997
Reginolite [1] [2]	13	6 45	13	13.37	13	22.00	13	22.00	British	Imperial Oil Co	471.2	62.9	29.9	Lobitos, Peru	Halifax, N. S	Crude oil	12,541	9,231	6,304
Nitro [3]	12	10 15	14	6.47	14	13.40	16	6 00	American	U. S. Navy	438.10	60.10	21.10	San Diego, Calif.	Hampton R'ds, Va.	Navy general	283		
Walter D. Manso	13	15 45	14	7 06	14	14 50	14	14.50	American	Munson Line	368.2	48.3	22.6	Tacoma, Wash	New York, N. Y.	General	4,609	4,606	3,271
Zuiderzee [19]	13	16 15	14	7 18	14	14.55	15	6 27	Dutch	Smit & Co	109.81	20.93	10 0	Talara, Peru	Cristobal, C. Z	Ballast		220	155
Western Glen	14	3 00	14	9 21	14	17.00	15	21 08	American	U. S. & Australian Line	409.0	54.0	17.0	Brisbane, Australia	New York, N. Y.	General	209	6,519	4,496
Pacific Fir	14	9 10	14	10 18	14	18 10	14	21.17	American	Ocean Transport Co	410.0	54.0	24.0	Seattle, Wash	Philadelphia, Pa.	Lumber	7,209	6,622	4,882
Mineola	14	8.30	14	11.22	14	19 15	14	19.15	American	N. O. & S. A. S. S. Line	298.6	40.0	22.6	Iquique, Chile	New Orleans, La	Nitrate	3,535	2,835	1,805
Hans Leonhardt [17]	14	12.25	14	13.23	14	21.05	15	23 00	German	Colombian Transp. Co.	244.0	36.0	14.7	Buenaventura, Col.	New York, N. Y.	Coffee, hides	1,003	1,568	908
Sucubaco	14	14.15	14	15.07	14	21 50	14	21 50	American	Transmarine Lines	324.0	46.2	22.6	Raymond, Wash.	Port Newark, N. J.	Lumber	3,609	3,984	2,628
Tamaroa	14	11 21	15	6.20	15	14.20	15	14.20	British	Geo. Thompson & Sons.	500.4	63.2	26.0	Wellington, N. Z.	London, England	([22])	5,439	13,592	9,383
Willpolo	14	1.645	15	7.07	15	15.29	15	15.20	American	Williams Line	386.3	52.2	24.0	Everett, Wash.	New York, N. Y.	Lumber, general.	4,211	5,680	4,080
Lewis Luckenbach	14	19.15	15	8.00	15	15.55	15	15.55	American	Luckenbach Line	496.0	68.0	28.0	Portland, Oreg	Boston, Mass	Lumber, general.	8,839	11,487	8,762
Canadian Inventor.	14	23 21	15	8.19	15	17.42	15	18.43	British	Can. Gov. Mer. Marine	400.0	52.4	18 0	Adelaide, Australia.	Halifax, N. S.	General	1,100	5,916	4,159
Hoyeisan Maru.	14	21.00	15	9 20	15	18.40	15	19.50	Japanese	Mitsui & Co	407.25	50.83	26.10	Vancouver, B. C.	Falmouth, England	Wheat	7,094	6,488	4,786
Missourian [17]	15	4.30	15	9 30	15	19 10	15	19.10	American	Amer.-Hawaiian Line	462.0	59.9	26.10	Portland, Oreg	Boston, Mass.	Lumber, general.	7,702	8,567	6,010
Sabine Sun [1]	15	4.00	15	9 52	15	20 20	15	22.30	American	Sun Oil Co	429.0	59.0	26 8	Los Angeles, Calif	Baltimore, Md	Gas oil	10,700	7,621	5,277
Napoli	15	10 00	15	10.49	15	20 45	16	18 00	Italian	Nav. Gen. Italiana	405.9	58.78	21 0	Valparaiso, Chile	Genoa, Italy	General	2,867	6,740	4,289
Lebore	15	4 16	15	13.48	16	13.25	16	13 25	American	Ore S. S. Corp.	549.65	72.25	33 6	Cruz Grande, Chile	New York, N. Y	Iron ore	20,000	14,325	4 635
William H. Doheny [1]	15	9.40	16	6 08	16	14.20	16	14.20	American	Pan.-Amer.Pet.&Tr.Co.	435.0	56.0	25.10	Los Angeles, Calif.	Baltimore, Md.	Gasoline	9,500	7,406	5,111
Acme	16	6 30	16	7.00	16	14.50	16	16 40	American	Standard Transp. Co.	435.0	56.0	25 2	Los Angeles, Calif	Baltimore, Md	Gasoline	8,904	7,165	4,926
Plum Branch.	15	20.00	16	7.53	16	15.50	16	16 35	British	Nautilus S. S. Co.	398.5	54 8	23.0	Valparaiso, Chile	Liverpool, England	General	6,277	5,761	3,881
Cricamola [20]	16	7 30	16	8 15					Panaman	United Fruit Co.	105.0	14.0		Panama Bay, R. P.	Gatun, C. Z	Ballast		92	57
Dundrennan	15	22 30	16	8 26	16	17 15	16	18 55	British	Andrew Weir & Co.	385.0	49.7	21.10	Vancouver, B. C.	Antwerp, Belgium	General	6,120	4,703	3,478
Erfurt [17]	15	24.00	16	9 00	16	17 00	16	18 35	German	Roland Line	360.1	51.1	23 0	San Francisco, Cal.	Antwerp, Belgium	General	4,830	5,038	3,533
Utacarbon [1]	15	18 00	16	9.32	16	18.12	16	18 12	American	Union Oil Co. of Calif.	435.0	56.0	28.0	San Francisco, Cal.	Baltimore, Md	Gas oil	8,920	7,482	5,209
J.A.Moffett,Jr. [1]	16	3 00	16	9.58	16	19.40	18	6 50	American	Standard Oil Co. of N. J.	499 2	68.1	31.0	Los Angeles, Calif.	Cristobal, C. Z	Fuel oil	15,879	11,037	7,995
Cerro Ebano [1]	16	5 40	16	10 19	16	19 08	16	19 08	American	Huasteca Petroleum Co.	480 5	56.0	28.0	Los Angeles, Calif	New York, N. Y.	Fuel oil	12,717	9,389	6,543
Langton Hall	16	10 15	16	11.57	16	20 10	17	3.10	British	Ellerman & Bucknall	403 0	56.0	27.3	Vancouver, B. C.	Hull, England	General	8,261	7,349	5,554
Posillipio	11	19 30	16	13.29	16	21 45	17	12 57	Italian	Maggiani & Tritzo	381.4	52.49	27.5	San Antonio, Chile	Teneriffe [23]	Copper, nitrate.	8,314	6,260	4,334
Darien [21]			16		16				American	U. S. Navy				Balboa, C. Z	Darien, C. Z				
Hannawa	16	23 00	17	7 19	17	15 15	17	15.15	American	Columbia-Pac. Ship. Co	440.0	56 0	29.0	Portland, Oreg	Baltimore, Md	Lumber, general.	9,323	8,300	6,020
Blythmoor	17	8 00	17	8 52	17	17 20	17	17.50	British	W. Runciman & Co	420.0	54.0	27.0	Vancouver, B. C.	Hull, England	Wheat	9,365	6,963	5,008
Seekonk [17]	17	11.54	17	12.35	17	19.48	17	21.25	American	Amer. Ship. & Nav. Co.	390.0	54.0	22.0	Seattle, Wash	Antwerp, Belgium	([24])	6,659	6,162	4,417
Lancaster.	17	13 30	17	14.00	17	21 10	17	21 10	American	Argonaut S. S. Line	434.3	57.7	27.0	Seattle, Wash	Baltimore, Md	([25])	6,554	7,935	5,841
W. S. Rheem [1]	17	7 11	18	6 03	18	15.05	18	15.05	American	Standard OilCo.of Calif.	500.0	68.0	28.8	Los Angeles, Calif	Bayonne, N. J.	Gasoline	15,500	11,224	7,895

[1] Tanker. [17] Motor ship. [18] Transport. [19] Tug. [20] Yacht. [21] Launch. [22] Cold storage and general. [23] Canary Island for orders. [24] Wheat, cotton, and general.

[25] Lumber and canned goods.

Agnes [26]	17	23.20	18	6.24	18				Panaman	Pacific-Fruit Co.	57.8	19.7	8.0	Panama Bay, R. P.	Gatun, C. Z.	Bananas	10	57	29
Buenos Aires	17	17.40	18	7.12	18	17.35	19	21.15	Spanish	Compania Transatlantica	407.05	47.99	23.9	Valparaiso, Chile	Barcelona, Spain	General	1,401	5,624	3,844
Ohio Maru	17	20.00	18	8.09	18	18.00	18	18.40	Japanese	Kawasaki Dockyard Co	385.0	51.0	27.0	Portland, Oreg.	Azores (For orders)	Wheat	7,343	5,928	4,381
Carolyn	17	18.45	18	8.35	18	18.55	18	18.55	American	A. H. Bull S. S. Co.	313.6	46.1	20.0	Chanaral, Chile	Wilmington, N. C.	Nitrate	4,422	3,644	2,566
Jacksonville [17]	18	00.36	18	9.12	18	19.21	19	1.50	American	Grace Line	333.8	48.0	22.2	Tocopilla, Chile	New York, N. Y.	Nitrate, cotton	4,605	4,128	2,664
Cubore [17]	18	00.39	18	9.33	18	19.32	18	19.32	American	Ore S. S. Corp.	450.7	57.0	31.0	Cruz Grande, Chile	Baltimore, Md.	Iron ore	10,509	7,956	4,866
Urubamba	18	2.45	18	10.10	18	20.38	([29])		Peruvian	Peruvian Line	381.2	46.1	18.0	Callao, Peru	Cristobal, C. Z.	General	1,669	4,803	2,951
Oroya	18	9.15	18	10.25	18	21.14	19	2.40	British	Pacific Steam Nav. Co.	525.0	62.0	29.0	Coronel, Chile	Liverpool, England	General	9,314	13,133	9,064
Quail [27]	18		18	11.07	18	19.35			American	U. S. Navy	169.0	35.6	13.0	Balboa, C. Z.	Coco Solo, C. Z.				
S-42 [28]	17		18	11.05	18	20.15			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
S-43 [28]	17		18	11.05	18	20.15			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
S-44 [28]	17		18	12.06	18	21.37			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
S-44 [28]	17		18	12.06	18	21.37			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
S-46 [28]	17		18	12.11	18	22.40			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
S-47 [28]	17		18	12.11	18	22.40			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
Samuel Q. Brown [1]	18	11.30	18	12.57	19	00.14	19	00.14	American	Tidewater Oil Co.	424.4	58.2	27.3	Los Angeles, Calif.	New York, N. Y.	Crude oil	10,738	7,333	5,183
Alaska	18	14.15	18	14.57	19	1.45	20	1.05	French	French Line	425.0	55.0	25.8	Vancouver, B. C.	Havre, France	Wheat, general	7,555	6,990	4,854

[1] Tanker. [26] Motor schooner. [27] Submarine tender. [28] Submarine. [29] In port. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
December 12	Oranje Nassau	Royal Netherlands W. I. Mail	Amsterdam via wayports.
December 12	Calamares	United Fruit Co.	Port Limon, Costa Rica.
December 12	Cartago	United Fruit Co.	New Orleans via Habana.
December 12	Rugia	Hamburg-American Line	Puerto Barrios.
December 13	Manzanares	Elders & Fyffes, Ltd.	Liverpool, England.
December 13	Pastores	United Fruit Co.	New York via Habana.
December 13	St. Mihiel [30]	U. S. Army	New York via Galveston.
December 14	Oranje Nassau	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
December 15	Cartago	United Fruit Co.	Port Limon, Costa Rica.
December 15	Abangarez	United Fruit Co.	New Orleans and wayports.
December 15	Sixaola	United Fruit Co.	New York via Kingston.
December 15	Arcadian	Royal Mail Steam Packet Co.	Southampton via wayports.
December 15	Linda S. [31]	Surgeon Brothers	Colon, Rep. of Panama.
December 15	Inapaquina [31]	United Fruit Co.	Colon, Rep. of Panama.
December 15	Maria Cristina [31]	A. Tagaropulos	Colon, Rep. of Panama.
December 15	Terror [32]	A. Tagaropulos	Colon, Rep. of Panama.
December 15	Willinnis [32]	M. Cosaraquis	Colon, Rep. of Panama.
December 16	Ceiba	Mexican-American Fruit Co.	Kingston, Jamaica.
December 16	Tivives	United Fruit Co.	Santa Marta, Colombia.
December 16	Favorita	Standard Fruit S. S. Co.	New Orleans, La.
December 16	Perou	French Line	St. Nazaire via wayports.

[30] Transport. [31] Motor schooner. [32] Schooner. [33] Sloop.

* DEPARTURES.

Date.	Vessel.	Line.	For—
December 12	San Mateo	United Fruit Co.	New York.
December 12	Calmares	United Fruit Co.	New York via Habana.
December 12	Cartago	United Fruit Co.	Port Limon, Costa Rica.
December 12	Ancon	Panama Railroad S. S. Line	New York via Haiti.
December 12	Oranje Nassau	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
December 13	Rugia	Hamburg-American Line	Cartagena, Colombia.
December 13	Manzanares	Elders & Fyffes, Ltd.	Port Limon, Costa Rica.
December 15	Oranje Nassau	Royal Netherlands W. I. Mail	Amsterdam and wayports.
December 15	Cartago	United Fruit Co.	New Orleans via Habana.
December 15	Pastores	United Fruit Co.	Port Limon, Costa Rica.
December 15	Linda S. [31]	Surgeon Brothers	Bluefields, Nicaragua.
December 15	Inapaquina [31]	United Fruit Co.	Colon, Rep. of Panama.
December 15	Maria Cristina [31]	A. Tagaropulos	Colon, Rep. of Panama.
December 15	Terror [32]	A. Tagaropulos	Colon, Rep. of Panama.
December 15	Willinnis [32]	M. Cosaraquis	Colon, Rep. of Panama.
December 16	St. Mihiel [30]	U. S. Army	New York via San Juan.
December 16	Sixaola	United Fruit Co.	Colombian ports.
December 16	Tivives	United Fruit Co.	New York via Kingston.
December 16	Abangarez	United Fruit Co.	New Orleans via wayport.
December 16	T. D. Toil [33]	Carlos Velez	Bluefields and San Andres
December 16	Favorita	Standard Fruit S. S. Co.	Kingston, Jamaica.

* Other than ships passing through the Canal.

(Continued on page 280, column 2.)

Canal Traffic During First Fifteen Days of December.

During the first 15 days of December, 216 commercial vessels and 11 small nonseagoing launches transited the Canal. Tolls on the commercial vessels aggregated $932,228.32, and on the launches $88.80, or a total tolls collection of $932,317.12.

The daily average number of transits of commercial vessels was 14.4, and the daily average tolls collections $62,148.55. The average amount of tolls paid by each of the commercial transits was $4,315.87, as compared with $4,396.18, for the first 15 days of November.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 11½ months of the present calendar year, together with the daily averages of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
January	479	$2,103,368.29	15.45	$67,850.59
February	424	1,835,226.47	15.14	65,543.80
March	596	2,206,212.20	16.32	71,168.13
April	425	1,917,457.11	14.16	63,911.90
May	479	2,056,965.55	15.16	66,353.72
June	419	1,852,670.66	13.96	61,755.68
July	456	1,980,719.67	14.71	63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December (first 15 days)	216	932,228.32	14.40	62,148.55
Totals, first 11½ months, 1926	5,178	22,837,731.64	14.79	65,250.66
Totals, first 11½ months, 1925	4,535	20,289,989.20	13.00	58,137.50
Totals, first 11½ months, 1924	4,691	21,860,184.23	13.40	62,457.67

The "Simon Bolivar" to enter Dutch Line's Europe-Cristobal Service.

The steamship *Oranje Nassau*, 3,700 tons gross, of the Royal Netherlands West India Mail (Dutch Line) will make her last voyage to Cristobal, leaving Amsterdam January 28, 1927, and returning there on April 2, 1927, and will be replaced by the *Simon Bolivar*, 13,200 gross tons, now building at Rotterdam, Holland. The *Simon Bolivar* will take the place of the *Oranje Nassau* in service between Amsterdam and Port Limon and returning via Dover, Boulogne, Barbados, Trinidad, La Guaira, Puerto Cabello, Curacao, Puerto Colombia, Cartagena and Cristobal.

The *Oranje Nassau* will then be assigned to the Surinam Line of the Company, on the following itinerary: Amsterdam, Madeira, Dutch Guiana, British Guiana, Trinidad, Carupano, Cumana, La Guaira, Puerto Cabello, Curacao, Port-au-Prince, New York, and back via the same route, including Havre.

The *Oranje Nassau* is a vessel 337 feet long by 44.2 feet in width and the *Simon Bolivar* is 420 feet long with a breadth of 58 feet and 10 inches. The new vessel is being built especially for the trade in which she is to be used and will have accommodations for 145 first-class, 56 second-class, and 38 third-class passengers.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending December 18, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Cardiganshire	Pacific Steam Navigation Co		December 12		2
Ancon	Panama Railroad S. S. Line		December 12		690
Pennekom	Royal Netherlands W. I. Mail	December 12	December 12	322	20
Oranje Nassau	Royal Netherlands W. I. Mail	December 12	December 12	11	(1)
Cartago	United Fruit Co	December 12	December 12	376	173
Calamares	United Fruit Co	December 12	Desember 12	11	3
Mississippi	French Line	December 12	December 13	94	91
Apurimac	Peruvian Line	December 12	December 13	825	(1)
Roland	Roland Line	December 12	December 13	100	69
Rugie	Hamburg-American Line	Desember 12	December 13	23	71
Lochmonar	Pacific Steam Navigation Co		December 13		266
Amazonas	Peruvian Line		December 13		611
Essequibo	Pacific Steam Navigation Co	December 13	December 13	5	217
Pastores	United Fruit Co	December 13	December 15	323	118
Oranje Nassau	Royal Netherlands W. I. Mail	December 14	December 14	(2)	351
Hans Leonhardt	Leonhardt & Blumberg	December 14	December 15	496	19
Farfield	N. O. & S. A. S. S. Line	December 15	December 15	123	(2)
Cartago	United Fruit Co	December 15	December 15	1	316
Leon XIII	Spanish Line	December 15	December 15	147	254
Linda S	Surgeon Brothers	December 15	December 15	(2)	40
Abangarez	United Fruit Co	December 15	December 16	959	206
Sixaola	United Fruit Co	December 15	December 16	355	333
Napoli	Italian Line	December 15	December 16	200	63
Atrato	Colombian Transport Co		December 16		75
Fella	Nav. Lib.-Triestina	December 15	December 15	215	(1)
Bochum	Kosmos Line	December 15	December 16	150	109
Favorita	Standard Fruit S. S. Co	December 16	December 16	107	(1)
Ceiba	Standard Fruit S. S. Co	December 16	December 16	(2)	6
Cauca	National Navigation Co		December 16		364
Perou	French Line	December 16		181	
Sosua	United Fruit Co	December 16	December 18	(2)	451
Tivives	United Fruit Co	December 16	December 16	(3)	474
Acajutla	Pacific Steam Navigation Co		December 17		1,136
J. A. Moffett, Jr	Standard Oil Co	December 16	December 18	15,870	(1)
Venezuela	Italian Line	December 17	December 18	54	(1)
Amersfoort	Royal Netherlands W. I. Mail	December 17	December 18	512	96½
San Pablo	United Fruit Co	December 17	December 18	93	(1)
Jacksonville	Grace Line	December 18		338	
San Jose	United Fruit Co	December 18	December 18	12	93
Ceiba	Standard Fruit S. S. Co	December 18	December 18	(2)	689
Uruhamba	Peruvian Line	December 18		1,669	
Alaska	French Line	December 18		102	
Buenos Aires	Spanish Line	December 18		267	

[1] No cargo laded. [2] No cargo discharged. [3] 3 packages.

East Culebra Slide.

Emergency operations on removal of slide material from the East Culebra area, which began October 6, 1926, were discontinued December 16, when one dipper dredge was returned to its regular station in the Pacific entrance and the other assigned to the remaining clean-up work at the slide (channel and basin).

In addition to the extensive movement at East Culebra several smaller breaks occurred in other portions of the cut, the removal of which had to be accomplished simultaneously with the work at East Culebra. During this period of intense dredging, October 7 to December 16, the total quantity of material removed from all slides was 1,050,050 cubic yards, of which 931,800 was from East Culebra and 118,250 cubic yards from other slides.

Although the East Culebra basin and adjacent Canal channel have been restored to approximately previous widths and depths, there still remains a comparatively small amount of clean-up dredging in this area and the final total yardage from the East Culebra slide of October 6 will exceed 1,000,000 cubic yards.

This slide was the worst for several years, though at no time closing the Canal to navigation. It was sufficiently threatening, however, to cause the operation of dredging equipment for 24 hours per day including Sundays and holidays for about a month and for 24 hours per day, exclusive of Sundays and holidays, for another month.

Location of Patients and Visiting Hours, at Ancon Hospital.

The following table shows the distribution of patients in the Ancon hospital buildings and the visiting hours for the various wards and sections:

Section and Ward.	Visiting Hours.
Section "B:"	
Ward 5, Male, private rooms, American boys	Daily 9.30 to 11 a. m.; 2.00 to 4.30 p. m.; 6.30 to 8.00 p. m. (No visitors permitted in nursery.)
Ward 6, Foreign, male and female, private rooms, American girls	
Ward 7, White female, private rooms	
Ward 8, Obstetrical department, white females (Nursery)	
Section "C:"	
Ward 9, White foreign, male	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p. m.
Ward 11, Colored, male, surgical	
Ward 12, Colored, male, medical, eye and ear	
Ward 13, Colored, male, G. U.	
Ward 14, American, male, G. U.	
tion "D:"	
Ward 15, American, male, surgical	Tuesdays, Thursdays, and Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m.
Ward 16, American, male, medical, eye and ear	Sundays and holidays, 9.30 to 11 a. m.; 2.30 to 4.30 p. m.
Ward 17, Colored children	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p. m.
Ward 18, White children	Daily 9.30 to 11 a. m.; 2 to 4 p. m.
Ward 19, Colored, female, medical	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p. m.
Ward 20, Colored, female, surgical, obstetrical	
Isolation	No visitors permitted except to visit tuberculosis patients, Thursdays, Sundays, and holidays, 1.30 to 3 p. m.

Permission to visit outside of visiting hours will be granted upon application to the Superintendent's Office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective November 30, 1926:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.23
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2 35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2 00
Oil, ammonia, cylinder	Gal.	40
Oil, burning, Colza	Gal.	1 06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	44
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	60
Oil, kerosene, in drums	Gal.	.16
Oil, marine engine	Gal.	59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.14
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.14
Grease, gear, chain and wire rope, lubricating	Lb.	08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.18
Waste cotton, white	Lb.	.21

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.05 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $10.00 per ton of 2,240 pounds at Cristobal, and $13.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $10.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $11.00 per ton at Cristobal, $14.00 at Balboa. If less than 50 tons is taken from lighters, prices are $13.00 per ton at Cristobal and $16.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $11.00 Cristobal and $14.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage in such cases, as provided in Paragraph 4, Item 3, of the tariff, and for handling lines in accordance with Item 4, of the tariff

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

MOVEMENTS OF OCEAN VESSELS.—Continued from page 275.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
December 16.	T. D. Toilsa	Carlos Velez	Colon, Rep. of Panama.	December 17.	Cristobal	Mexican-American Fruit Co.	San Blas, Rep. of Panama.
December 17.	Irfurt	Roland Line	High seas.	December 17.	Arcadian	Royal Mail Steam Packet Co.	Southampton via waypORTS.
December 17.	San Pablo	United Fruit Co.	Boston via waypORTS.	December 18.	Cristobal	Mexican-American Fruit Co.	New Orleans, La.
December 18.	Cristobal	Mexican-American Fruit Co.	San Blas, Rep. of Panama	December 18.	San Pablo	United Fruit Co.	Boston, Mass.
December 18.	San Jose	United Fruit Co.	Puerto Colombia.	December 18.	San Jose	United Fruit Co.	New York via Habana

PORT OF BALBOA.

Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
December 13.	Four Winds ss	Sir Guy Gaunt	Cocos Island				

ss Sloop.

ss Yacht

* Other than ships passing through the Canal

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., December 29, 1926. No. 21.

Large Movement of Fresh Fruit from Pacific Coast Ports.

Several large shipments of apples and other fresh fruits have recently passed through the Canal en route from west coast ports to United Kingdom and Continental ports. The steamships *Parana*, *Nichteroy*, and *Lochkatrine* carried together approximately 300,000 boxes of apples.

During the month of November, 15,583 tons of fresh fruit were shipped from west coast ports of the United States to Europe, and 7,495 tons from the west coast of Canada to Europe.

Extensive Tourist Traffic Anticipated.

The scheduled tours for the dry season of 1926–27, beginning with the visit of the *Arcadian* to Cristobal on December 15 to 17, and the passage of the *Belgenland* through the Canal on December 22, include 5 around-the-world cruises, a cruise around South America of the steamship *Laconia*, and 14 special cruises through the West Indies with calls at Cristobal but without transit through the Canal. These cruises will bring about 8,000 visitors to the Canal, in addition to which the United Fruit Co. will bring parties of from 75 to 125 persons to the Canal Zone twice weekly and other steamship lines will carry an increased seasonal traffic. During the season of 1925–26 the United Fruit Co. handled more than 2,500 tourists to the Isthmus.

Transit of the "Belgenland" on Cruise Around the World.

The steamship *Belgenland* of the Red Star Line transited the Canal on December 22, from the Atlantic to the Pacific, on an around-the-world cruise, with a party of 303 tourists on board, under the conduct of the American Express Co. This is the first of the cruises around the world to pass through the Canal during the 1926–27 tourist season.

The *Belgenland* has a Panama Canal net tonnage of 18,874 and paid $16,412.50 in tolls. Her passage on December 22 was her third voyage through the Canal, previous transits having been made on December 12, 1924, and December 3, 1925.

Transfer of Tankship "G. Harrison Smith" to American Registry.

The *G. Harrison Smith*, which was built by the Bethlehem Shipbuilding Corporation at Sparrows Point, Md., in 1921, for the International Petroleum Co., Ltd., of Toronto, as a combination petroleum and ore carrier for the South American trade and last transited the Canal on August 29, 1926, bound from San Pedro to Land's End for orders, has been renamed the *Charles G. Black* and transferred from Canadian to United States registry. The vessel is now engaged in transporting oil from Baton Rouge to New York.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, December 25, 1926.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Silverlarch [2]	18	24.00	19	6.23	19	13.07	19	17.46	British	Kerr Line	400.3	55.3	16.0	Philadelphia, Pa.	San Francisco, Cal.	Ballast		7,476	5,689
Point Reyes	19	00.10	19	7.15	19	16.02	19	21.18	American	Swayne & Hoyt	324.0	46.2	24.0	New Orleans, La.	San Francisco, Cal.	Sulphur, general	4,825	3,984	2,617
La Paz [2]	19	7.32	19	14.06	19	20.16	20	2.25	British	Pacific Steam Nav. Co.	406.0	54.2	16.0	Hull, England	Punta Arenas, Chile	General	2,119	7,216	4,912
Ciricito [3]			19		19	15.47			American	San Blas Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	(6)		8	8
No. 3641 [4]			19		19	15.47			American	San Blas Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		5	5
Remuera	19	17.35	20	6.05	20	12.57	20	19.12	British	N. Z. Shipping Co.	485.0	62.3	26.6	London, England	Wellington, N. Z.	General	6,719	11,717	8,751
Hahira [1]	19	14.18	20	6.35	20	13.41	20	15.00	American	Atlantic Refining Co.	435.6	56.2	20.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,427	5,187
Halo [1]	20	4.00	20	7.10	20	14.30	20	15.40	American	Crew, Levick & Co.	435.0	56.0	18.0	Boston, Mass.	Los Angeles, Calif.	Ballast		7,434	5,145
Brunswick	19	14.55	20	7.15	20	15.59	20	17.35	American	Newtex Line	250.5	43.7	21.3	New York, N. Y.	Portland, Oreg.	Sulphur	2,600	2,290	1,459
Canadian Planter	19	16.25	20	8.30	20	16.37	20	17.45	British	Can. Gov. Mer. Marine	400.3	52.0	23.3	Montreal, Canada	Auckland, N. Z.	General	4,600	5,858	4,108
Canadian Miller	20	7.10	20	9.35	20	17.25	20	18.26	British	Can. Gov. Mer. Marine	400.3	52.0	20.1	Halifax, N. S.	Brisbane, Australia	General	1,585½	5,892	4,186
Tustem [1]	20	8.15	20	10.50	20	17.58	20	18.53	American	Atlantic Refining Co.	425.0	57.2	25.9	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,204	4,768
Redman	20	13.30	20	13.40	20	21.33	21	1.20	American	Munson S. S. Line	324.0	46.0	22.0	Boston, Mass.	Los Angeles, Calif.	General	4,664	3,967	2,530
Quail [5]			20	12.10	21	9.57			American	U. S. Navy	180.0	35.6		Cristobal, C. Z.	Balboa, C. Z.	(7)			
Motor Sailor			20		20	9.43			American	U. S. Navy				Cristobal, C. Z.	Balboa, C. Z.	Ballast			
Winamac [1]	20	14.05	21	6.15	21	13.39	21	15.30	British	Standard Transp. Co.	412.0	53.0	25.0	New York, N. Y.	Shanghai, China	Kerosene	7,590	6,024	4,346
Hegira	21	1.45	21	6.30	21	14.40	21	15.55	American	Hegira S. S. Co.	440.0	56.0	26.6	New York, N. Y.	Seattle, Wash.	(8)	9,834	8,342	6,108
Birmingham City	21	5.15	21	7.20	21	15.27	22	4.35	American	Isthmian S. S. Lines	395.5	55.0	23.0	New York, N. Y.	Adelaide, Australia	General	5,632	7,304	5,181
City of Norwich	21	6.20	21	8.20	21	16.21	22	7.23	British	Ellerman & Co.	434.4	54.7	22.6	New York, N. Y.	Freemantle, Aus'lia	General	10,325	8,088	6,260
Northumberland	21	6.50	21	9.30	21	18.13	22	6.56	British	N. Z. & Fed. St. Nav. Co.	530.0	63.5	31.10	Newport, England	Dunedin, N. Z.	General	7,429	13,268	9,124
Bors	20	7.55	21	9.40	21	19.25	21	20.25	Norwegian	L. Paulsen	229.7	33.0	15.6	Brevik, Norway	Antofagasta, Chile	General, dynamite	1,230	1,252	800
Denali	21	7.50	21	9.55	21	18.45	21	19.48	American	Alaska S. S. Co.	320.0	46.0	21.11	Norfolk, Va.	Seattle, Wash.	General	4,496	3,807	2,503
Panaman	21	7.05	21	11.15	21	20.30	21	21.27	American	Amer.-Hawaiian Line	497.7	53.7	20.7	New York, N. Y.	Portland, Oreg.	General	3,612	7,098	5,029
Cape Henlopen [2]	21	12.58	21	13.05	21	21.00	21	21.48	American	Pure Oil Co.	434.8	56.2	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,425	5,202
Edgar F. Luckenbach	21	14.15	21	14.25	21	21.51	21	22.47	American	Luckenbach Line	425.0	57.0	27.6	New Orleans, La.	Seattle, Wash.	General	7,359	8,568	6,648
Bobolink [3]			22		22	9.52			American	Blue Ribbon Banana Co				Cristobal, C. Z.	Gatun, C. Z.	Towing barges		1	1
Tommy [3]			22		22	14.07			American	E. J. Hooper				Cristobal, C. Z.	Gatun, C. Z.	(9)		3	3
No. 3644 [4]			22		22	9.52			American	Blue Ribbon Banana Co				Cristobal, C. Z.	Gatun, C. Z.	Ballast			
No. 3645 [4]			22		22	9.52			American	Blue Ribbon Banana Co				Cristobal, C. Z.	Gatun, C. Z.	Ballast			
No. 3646 [4]			22		22	9.52			American	Blue Ribbon Banana Co				Cristobal, C. Z.	Gatun, C. Z.	Ballast			
No. 3281 [4]			22		22	14.07			American	E. J. Hooper				Cristobal, C. Z.	Gatun, C. Z.	Ballast			
Belgenland	22	6.35	22	6.45	22	13.32	22	23.15	British	Red Star Line	670.4	78.4	29.0	New York, N. Y.	Around the world	Passengers only		28,913	18,874
William Green [1]	21	17.45	22	6.28	22	14.15	22	15.20	American	Pan-Amer. Pet. & Tr. Co.	430.0	58.2	18.0	Boston, Mass.	Los Angeles, Calif.	Ballast		6,973	4,670

[1] Tanker. [2] Motor ship. [3] Launch. [4] Barge. [5] Mine sweeper. [6] Towing barge *No. 27.* [7] Towing barge *No. 21.* [8] General and steel products. [9] Towing barge *No. 3281.*

Paul Shoup [7]	22	1.05	22	7.15	22	14.37	22	15.55	American	Associated Oil Co.	424.4	58.2	20.0	New York, N. Y.	San Francisco, Cal.	Ballast		7,333	5,119
Southwestern Miller	22	6.42	22	8.20	22	15.35	22	22.20	British	Furness, Withy & Co.	420.0	53.0	18.0	Glasgow, England	Vancouver, B. C.	General	1,644	7,138	5,122
HamptonRoads [1]	22	8.58	22	9.15	22	17.01	22	22.20	American	Sheel Oil Co.	431.0	59.2	17.0	Boston, Mass.	Los Angeles, Calif.	Ballast		8,093	5,541
Suelco	22	12.05	22	12.15	22	19.25	25	22.00	American	Transmarine Lines	324.0	46.2	22.0	New London, Conn	Los Angeles, Calif.	General	4,501	3,984	2,612
Santos [2]	21	22.45	22	13.27	22	20.12	23	00.15	Swedish	Johnson Line	367.0	51.3	19.0	Gothenburg, Swed'n	Vancouver, B. C.	General	3,362	5,391	4,033
Absia [1]	22	18.38	23	6.20	23	13.30	25	22.45	Dutch	Anglo-Saxon Pet. Co.	400.6	52.0	26.0	Curacao, D. W. I.	Balboa, C. Z.	Fuel oil		6,891	6,069	4,436
Hakodate Maru	23	7.00	23	7.40	23	15.24	23	16.40	Japanese	Nippon Yusen Kaisha	400.0	54.5	24.6	Boston, Mass.	Yokohama, Japan	General	6,045	5,824	4,092
Santa Cruz	22	14.45	23	9.55	23	16.13	23	22.00	American	Grace Line	384.0	50.0	17.10	New York, N. Y.	Antofagasta, Chile	General	1,912	5,534	3,868
Svealand [2]	23	5.40	23	10.55	23	17.27	24	1.08	Swedish	Ore S. S. Corp.	551.0	72.0	23.0	Baltimore, Md.	Cruz Grande, Chile	Ballast		15,425	4,421
Montevideo Maru [3]	23	6.32	23	11.00	23	18.20	23	19.15	Japanese	Osaka Shosen Kaisha	430.0	56.0	21.0	Buenos Aires, Arg.	Kobe, Japan	Cotton, general	4,575	7,875	5,821
Buenaventura	21	11.27	23	12.45	23	20.45	23	21.45	American	Panama R.R.S.S. Line	251.0	43.0	19.3	New York, N. Y.	Guayaquil, Ecuador	General	1,351	2,873	1,776
Katrina Luckenbach	23	7.37	23	12.55	23	19.54	23	21.16	American	Luckenbach Line	446.0	56.0	30.0	New York, N. Y.	Los Angeles, Calif.	General	8,377	8,508	6,179
Sciota [10]			23	6.10	23	14.02			American	U. S. Navy	149.3	30.0		Cristobal, C. Z.	Balboa, C. Z.	(12)			
Salinas [1]	23	17.15	24	6.05	24	13.10	27	13.25	American	U. S. Navy	433.3	60.0	21.0	Norfolk, Va.	Los Angeles, Calif.	Paint	5		
Heluan	23	10.20	24	6.20	24	13.35	24	15.35	German	Kosmos Line	441.1	52.8	24.8	Hamburg, Germany	San Antonio, Chile	General	5,116	7,621	5,313
Loreto [2]	23	18.10	24	7.05	24	14.01	24	20.45	British	Pacific Steam Nav. Co.	436.2	54.2	16.3	Liverpool, England	Punta Arenas, Chile	General	3,011	7,334	5,037
Mojave [1]	24	00.10	24	7.52	24	14.28	24	15.35	American	Standard Transp. Co.	435.0	56.2	19.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,434	5,066
Ethan Allen	24	1.10	24	8.10	24	15.19	24	16.30	American	American-Pioneer Line	439.6	60.2	23.0	New Orleans, La.	Far East	(13)	7,210	8,978	6,525
Orinoco	24	5.40	24	9.35	24	16.00	24	17.10	American	Oriental Nav. Co.	376.4	52.3	17.10	Philadelphia, Pa.	Portland, Oreg.	General	3,039	5,455	3,902
Willfaro	24	9.40	24	9.53	24	16.19	24	19.49	American	Williams Line	386.8	52.2	21.0	New York, N. Y.	Tacoma, Wash.	General	5,450	5,684	4,070
Marken	24	7.05	24	10.35	24	17.29	24	18.23	Dutch	Wm. Ruys & Zonen	377.6	51.6	24.8	Rotterdam, Holland	Sydney, Australia	Phosphate	6,300	5,210	3,749
Aconcagua	24	5.50	24	11.00	24	17.14	24	18.05	Chilean	Chilean Line	422.8	56.2	25.4	New York, N. Y.	Valparaiso, Chile	General	2,013	7,758	4,705
Sunugentoo	24	10.30	24	11.45	24	19.15	24	20.16	American	Transmarine Lines	324.0	46.2	22.0	Newark, N. J.	Los Angeles, Calif.	General	3,800	3,984	2,628
Epidauro	24	10.35	24	12.12	24	20.04	24	21.06	Yugo-Slav	Racic & Co.	360.0	48.0	13.0	Newport News, Va.	Paita, Peru	Ballast		4,622	3,412
Canadian Seigneur	24	10.45	24	13.25	24	21.13	24	22.15	British	Can. Gov. Mer. Marine	400.6	52.0	23.0	Antwerp, Belgium	Vancouver, B. C.	Iron, general	6,373	5,893	4,135
Quail [11]	21	19.35	24	13.30	24	20.06	24	21.06	American	U. S. Navy	180.0	35.6		Cristobal, C. Z.	Balboa, C. Z.	Ballast			
Rex [3]			24		24	8.24			American	Hinson				Cristobal, C. Z.	Gatun, C. Z.	Ballast		1	1
Cid	24	4.40	25	6.15	25	13.12	25	14.26	British	Pacific Steam Nav. Co.	264.8	41.2	18.0	New York, N. Y.	Callao, Peru	General	1,786	2,746	1,626
Cape Ann [1]	25	6.45	25	7.05	25	13.37	25	15.00	American	Pure Oil S. S. Co.	425.8	57.0	18.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,484	5,216
Kentuckian	25	00.50	25	7.35	25	14.46	25	16.00	American	Amer.-Hawaiian Line	414.5	53.7	21.0	Boston, Mass.	Seattle, Wash.	General	3,974	7,049	4,941
Cities Service Fuel [1]	25	7.45	25	8.15	25	15.29	25	19.34	American	Crew, Levick & Co.	389.0	54.7	20.8	New York, N. Y.	Los Angeles, Calif.	Ballast			
West Notus	26	5.00	25	8.48	25	16.34	25	17.46	American	McCormick S. S. Co.	410.5	54.3	21.7	Santa Fe, Argentina	San Francisco, Cal.	General	5,772	6,583	4,914
Cibao	23	23.00	25	9.30	25	19.45	25	19.45	Norwegian	United Fruit Co.	225.0	33.0	15.5	Mobile, Ala.	Gatun, C. Z. [14]	Bananas	246	1,239	685
Aurora [2]	25	8.55	25	10.00	25	16.41	26	1.12	American	Standard Transp. Co.	431.0	59.2	19.0	Chester, Pa.	Los Angeles, Calif.	Ballast			
Chinese Prince [2]	25	10.48	25	12.35	25	19.03	25	20.30	British	Prince Line, Ltd.	458.0	60.0	26.5	New York, N. Y.	Shanghai, China	General	8,000	9,254	6,265

[1] Tanker. [10] Tug. [11] Mine sweeper. [12] Towing barge *No. 2*. [13] Cotton, case oil, and general. [14] And return to Mobile, Ala.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Itauri	19	8.10	19	9.05	19	16.30	19	19.05	German	Kosmos Line	439.0	55.6	24.1	Valparaiso, Chile	Hamburg, Germany	General	8,195	7,004	5,017
Lisbon Maru	18	10.30	19	14.45	19	21.43	20	12.14	Japanese	Nippon Yusen Kaisha	445.0	58.0	22.5	Yokohama, Japan	Boston, Mass.	General	6,878	8,015	5,849
Francis E. Powell [1]	19	15.15	20	6.00	20	13.45	20	14.15	American	Atlantic Refining Co.	431.0	59.2	26.10	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline (bulk)	9,600	7,680	5,101
Maple Branch	19	19.15	20	7.04	20	15.12	20	15.55	British	F. & W. Ritson	400.0	52.0	23.0	Corral, Chile	Liverpool, England	General	6,416	5,618	4,116

[1] Tanker.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Lengt	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Rochester [15]	11	17.27	20	8.26	20	16.50	20	20 35	American	U. S. Navy	384.0	64.0	27.3	Balboa, C. Z	Bluefields, Nic'gua				
Iowan	20	1 45	20	9.17	20	17 10	20	17.10	American	Amer.-Hawaiian Line	407.7	53.7	26.0	Seattle, Wash	Boston, Mass	General	6,906	7,091	5,002
Santa Teresa	20	4 30	20	10 09	20	17 56	20	19.45	American	Grace Line	360.0	51.6	26.2	Talcahuano, Chile	New York, N. Y.	General	3,839	5,726	4,086
Niethero	20	7.00	20	11 05	20	18 40	21	1 42	British	Royal Mail S. P. Co	459.25	58.38	24.2	Vancouver, B. C.	United Kingdom	General, fruit	5,615	8,874	6,558
Montrolite [20]	20	10 00	20	11.49	20	20 55	20	23 00	British	Imperial Oil Co., Ltd	510.9	68.25	29.10	Lobitos, Peru	Halifax, N. S.	Crude oil	15,000	11,555	7,678
John D. Archbold [1]	20	7 45	20	14.53	21	14 50	21	15.29	American	Standard Oil Co. of N.J.	554 9	75.3	31.7	Los Angeles, Calif.	New York, N. Y.	Fuel oil	20,890	14,785	10,313
Diana Dollar	21	1 00	21	6.22	21	15 20	21	15 20	American	Dollar Line	429.0	55.2	29.10	Seattle, Wash	New York, N. Y.	General	9,900	7,582	5,521
Canadian Prospector	20	23 00	21	7.34	21	16 50	21	16 50	British	Can. Gov. Mer. Marine	399.3	52.4	24.0	Port Alberni, B. C.	Halifax, N. S.	General, lumber	6,307	5,893	4,068
Catherine G. Sudden	21	4.00	21	8.30	21	16 57	21	22 05	American	Sudden & Christensen.	277.0	43.0	19.0	Vancouver, B. C.	New York, N. Y.	Lumber	2,877	2,494	1,506
Taibu Maru	21	4 40	21	8 44	21	18 05	21	20 40	Japanese	Suzuki & Co.	407.2	59.83	25 10	Muke, Japan	Europe via Norfolk	Wheat	6,937	6,170	4,537
Feltore	21	7 15	21	9 20	21	18.27	21	18 27	American	Ore S. S. Corp	449 1	57.2	28.0	Cruz Grande, Chile	Baltimore, Md	Iron ore	11,000	7,898	5,139
Bastidas [16]	14	15 52	21	10 23	21	18.00	22	11 55	Colombian	Colombian Government	127.0	32.6	10.6	Balboa, C. Z	Cartagena, Col	Ballast			
Lillian Luckenbach	21	10 36	21	11 42	21	19 56	21	19 56	American	Luckenbach Line	448.9	60.2	31.0	Portland, Oreg	Philadelphia, Pa	General	8,500	9,294	6,865
Quail [12]			21	11 54	21	19 35	24	13 30	American	U. S. Navy	180.0	35 6		Balboa, C. Z	Coco Solo, C. Z.				
Algonquin [1]	21	19 45	21	12 18	21	22 00	21	22.00	American	Standard Transp. Co.	435 0	56 0	27 0	Los Angeles, Calif	New York, N. Y.	Gas oil	10,209	7,692	5,337
Ruby [13]	15	16 45	21	13 07	22	12 25	22	12 35	American	Kuskikwim Fishing Co	132 0	34 0	12 0	Tacoma, Wash	Maracaibo, Ven'ela	Lumber	698		
Vermont	21	14 00	21	14 40	21	23 5	22	22 10	French	French Line	399 6	52 3	25.10	Valparaiso, Chile	Havre, France	(22)	7,741	5,822	4,122
Magician	21	17 00	22	6 16	22	14 05	22	14 05	British	T. & J. Harrison	394 9	52 5	24 9	San Francisco, Cal.	London, England	General	6,947	5,780	3,984
James B. Duke	22	5 00	22	7 21	22	16 30	22	16 3	American	Garland S. S. Corp	385 0	51.2	27.6	Aberdeen, Wash	New York, N. Y.	Lumber	5,871	6,242	4,471
Sciota [21]			22	8 15	22	17 00	23	6 10	American	U. S. Navy	155 0	30.0		Balboa, C. Z	Cristobal, C. Z	(23)			
Royal Arrow [1]	22	19 30	22	13 [illegible]	22	19 5	22	19 5	American	Standard Transp. Co.	467 6	62 7	27.2	Los Angeles, Calif	New York, N. Y.	Gas oil	11,892	9,699	6,895
Port Lockart [9]	22	1 [illegible]	22	22 [illegible]	22	[illegible] 55	22	23 55	British	Cosulich & Pow. Line	466 9	58 7	27 0	Wellington, N. Z.	London, England	General	7,630	10,041	7,271
Lyr [1]	22	10 0	23	6 17	23	16 25	23	16 25	Norwegian	Art'n. Mat'ie co	400 0	53 0	26.0	San Francisco, Cal.	Land's End, Eng [24]	Gasoline	7,720	6,147	4,095
Charles Christensen	22	22 [illegible]	23	7 14	23	17 [illegible]	23	17 [illegible]	American	Sudden & Christensen.	109.7	54 1	24 9	Aberdeen, Wash	New York, N. Y.	Lumber	9,116	6,699	4,915
Chiman [19]	22	19 45	23	7 18	23	17 [illegible]	23	6 14	Panamian	National Nav. Co.	116 0	21.0	9 7	Buenaventura, Col.	Cristobal, C. Z	Coffee, hides	22	24	124
Enden	22	22 0	23	8 07	23	17 4[illegible]	23	22 35	German	Hamburg-American Line	388 [illegible]	52 2	28 3	Valparaiso, Chile	Hamburg, Germany	General	8,975	5,990	4,057
Jamaica	23	1 30	23	[illegible]	23	18 3			British	Pacific Steam Nav. Co	221.0	34 0	12 0	Champerico, Guat	Cristobal, C. Z	General	276	1,187	622
Dean Emery [1]	23	5 40	23	10 15	23	18 57	23	19 15	American	Bunker Hill Petroleum Co	429 3	59 2	27 1	Los Angeles, Calif	Providence, R. I.	Fuel oil	11,119	7,799	5,517
Stuart-star	23	17 00	23	12 34	23	15 [illegible]	23	20 15	British	Blue Star Line	175 8	57 2	28 6	Vancouver, B. C.	Hull, England	(25)	9,054	11,739	7,758
Cuzco [21]	23	19 30	23	6 15	23	16 40	24	19 20	American	Edward L. Doheny	254 0	33 0	15 6	Los Angeles, Calif.	New Orleans, La.	Ballast		1,197	477
Tinavo	23	19 45	24	7 12	24	18 05	25	1 15	Italian	General S. S. Corp	459 6	57 5	25 7	Vancouver, B. C.	Trieste, Italy	Grain, general	7,995	7,829	5,280
Byron D. Benson [1]	24	10 10	24	8 05	24	18 22	24	18 22	American	Tidewater Oil Co	465 4	60 2	28 7	Los Angeles, Calif.	New York, N. Y.	Crude oil	12,493	8,546	5,870
Eagle	24	12 05	24	13 13	24	18 25	24	23 25	American	Williams S. S. Line	419 0	55 0	28 6	Seattle, Wash	Baltimore, Md	Lumber, general	8,210	8,243	6,266

[1] Tanker. [12] Cruiser. [13] Tug—Came South for dry-docking only. [15] Mine sweeper. [16] Auxiliary motor schooner. [19] Tug. [20] Motor ship. [21] Yacht. [22] Sugar, nitrate, and minerals.
[23] Towing barge No. 2. [24] For orders. [25] Refrigerated and general.

Phoenix [1]	24	20.40	25	6.05	25	14.25	25	14.25	American	American Tankers Corp.	490.8	54.2	27.5	Los Angeles, Calif.	New York, N. Y.	Gasoline	8,758	6,336	4,389
Agnes, E. [26]	25	1.30	25	6.15	25				Panaman	Pacific Fruit Co.	57.8	19.7	8.0	Panama Bay, R. P.	Gatun Lake, C. Z.	Bananas	10	57	29
York City	25	1.30	25	7.00	25	14.55	25	16.40	British	W. R. Smith & Sons	411.80	55.0	28.4	Vancouver, B. C.	Bordeaux, France.	Wheat	9,059	7,038	5,166
Corinto	24	14.15	25	8.14	25	16.11			American	Panama Mail S. S. Co.	251.1	41.0	13.3	San Francisco, Cal.	Cristobal, C. Z.	General	709	2,352	1,549
Sigdal	25	2.00	25	8.43	25	17.30			Norwegian	Alf Mohn	211.1	33.2	13.3	Buenaventura, Col.	Cristobal, C. Z.	(27)	946	1,063	685
Chile [20]	25	1.00	25	8.57	25	16.27	25	18.45	Danish	East Asiatic Co.	425.3	55.2	28.3	Seattle, Wash.	Copenhagen, Den'k	General	9,882	7,382	5,663
Hudson	25	4.30	25	9.23	25	18.15	27	1.15	French	French Line	396.26	50.74	25.4	Talcahuano, Chile.	Havre, France.	(28)	7,000	5,948	4,225
Bert E. Haney	24	17.00	25	9.57	25	19.55	26	3.30	American	Sterling S. S. Corp.	265.6	46.1	22.0	Tacoma, Wash.	Curacao, D. W. I.	Lumber	2,000		
Columbian	25	9.00	25	10.18	25	18.11	25	18.10	American	Amer.-Hawaiian Line	494.6	53.95	27.0	Portland, Oreg.	New York, N. Y.	General	6,396	6,760	4,450
Pacific Commerce [20]	25	4.00	25	10.36	25	19.29	25	9.20	British	Furness, Withy & Co.	420.0	54.0	26.7	Vancouver, B. C.	London, England.	General	7,877	6,996	5,306
West Montop	25	13.00	25	13.58	25	21.03	25	21.05	American	Calif. & East. S. S. Co.	410.0	54.4	24.2	Tacoma, Wash.	New York, N. Y.	Lumber	6,655	6,484	4,675

[1] Tanker. [26] Motor launch. [27] Coffee, hides, and gold. [28] Nitrate, hides, and lentils. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
December 19	Pastores	United Fruit Co.	Port Limon, Costa Rica.	December 19	Perou	French Line	St. Nazaire and wayports.
December 19	Parismina	United Fruit Co.	New Orleans via Habana.	December 19	Pastores	United Fruit Co.	New York via Habana.
December 20	Ulua	United Fruit Co.	New York via Habana.	December 19	Parismina	United Fruit Co.	Port Limon, Costa Rica.
December 22	Parismina	United Fruit Co.	Port Limon, Costa Rica.	December 19	Erfurt	Roland Line	Bremen and wayports.
December 22	Coronado	Elders & Fyffes, Ltd.	Avonmouth via wayports	December 22	Parismina	United Fruit Co.	New Orleans via Habana.
December 22	Atenas	United Fruit Co.	New Orleans via wayports	December 22	Coronado	Elders & Fyffes, Ltd.	Port Limon, Costa Rica.
December 22	Cristobal	Panama Railroad S. S. Line	New York via Haiti.	December 22	Ulua	United Fruit Co.	Port Limon, Costa Rica.
December 22	Carrillo	United Fruit Co.	New York via Kingston.	December 22	Maria Christina [29]	A. Tagaropulos	Colon, Rep. of Panama.
December 22	Camden	United Fruit Co.	Baytown, Tex.	December 22	Inapaquina [29]	United Fruit Co.	Colon, Rep. of Panama.
December 22	Maria Cristina [29]	A. Tagaropulos	Colon, Rep. of Panama.	December 23	Carrillo	United Fruit Co.	Colombian ports.
December 22	Inapaquina [29]	United Fruit Co.	Colon, Rep. of Panama.	December 23	Sixaola	United Fruit Co.	New York via Kingston.
December 23	Yoro	Mexican-American Fruit Co.	New York via Kingston.	December 23	Camden	United Fruit Co.	Santa Marta, Colombia.
December 23	Sixaola	United Fruit Co.	Santa Marta, Colombia.	December 23	Atenas	United Fruit Co.	New Orleans and wayports.
December 23	Virginia	Standard Fruit S. S. Co.	New Orleans, La.	December 23	Yoro	Mexican-American Fruit Co.	San Blas, Rep. of Panama.
December 24	San Gil	United Fruit Co.	Bocas del Toro, R. P.	December 24	Virginia	Standard Fruit S. S. Co.	Kingston, Jamaica.
December 25	Yoro	Mexican-American Fruit Co.	San Blas, Rep. of Panama.	December 24	San Gil	United Fruit Co.	Boston, Mass.
December 25	Coronado	Elders & Fyffes, Ltd.	Port Limon, Costa Rica.	December 25	Coronado	Elders & Fyffes, Ltd.	Bristol via Kingston.
December 25	Alexandrian	Leyland Line	Liverpool via wayports.	December 25	Yoro	Mexican-American Fruit Co.	New Orleans, La.

[29] Motor schooner.

PORT OF BALBOA.

December 19	Cricamola [30]	United Fruit Co.	Panama Bay, R. P.	December 19	Cricamola [30]	United Fruit Co.	Panama Bay, R. P.
December 21	Dos Hermanos [29]	Bernard Shipprett	Panama Bay, R. P.	December 21	Dos Hermanos [29]	Bernard Shipprett	Panama Bay, R. P.
December 25	Nora	Grace Line	Los Angeles, Calif.				

[30] Yacht.

* Other than ships passing through the Canal.

The Royal Mail Steam Packet Company Reported Acquiring Large Tonnage.

Shipping journals report the sale of 44 vessels with an aggregate gross tonnage of 597,458 tons by the International Mercantile Marine and allied lines to The Royal Mail Steam Packet Co. for a consideration of $36,525,000. This is said to be the largest shipping transaction in history and to bring the total tonnage controlled by the Royal Mail up to 2,695,265 gross tons.

In addition to several other famous transatlantic liners there are three of the nine world's largest commercial vessels in the 44 due to be turned over to the Royal Mail on January 1, 1927. They are the *Majestic*, 56,551 tons, which disputes with the *Leviathan* the title of the world's largest ship; the *Olympic*, 46,439 tons, fourth; and the *Homeric*, 34,351 tons, seventh.

In connection with this matter the General Agent of the Royal Mail Steam Packet Co., at Cristobal, advises that no immediate effect on the services through the Panama Canal is contemplated. He furnishes in addition the following notes:

"The Royal Mail Steam Packet Company was incorporated in 1839 and a matter of 15 years ago acquired the Pacific Steam Navigation Company which was incorporated in 1840. Until the opening of the Canal the former had its Isthmian headquarters at Colon and the latter at Panama.

"In 1846 the R. M. S. P. organized transit by mules and canoes across the Isthmus, opening up the route via Colon and Panama to Pacific ports. The following year through booking, arrangements were made with the Pacific Steam Navigation Co. and the Panama Railroad Co. for traffic from England to South Pacific ports.

"In 1850 the R. M. S. P. assisted the Panama Railroad Co. by loaning them $125,000 towards the completion of the railroad across the Isthmus, the last rail of which was laid on January 27, 1855.

"On February 23, 1881, the first detachment of the French Canal employees engaged in Europe for work on the Isthmus arrived at Colon by the R. M. S. *Para*."

Large Vessels Being Built for United States Intercoastal Trade.

The Panama-Pacific Line has under construction at Newport News, Va., a new passenger and freight liner for the United States intercoastal service to be named the *California*. This vessel is said to be the largest commercial vessel yet built in America and the first vessel of her class to be equipped with turbo-electric machinery. Accomodations are being provided for 334 first-class and 363 tourist-class passengers. There will also be capacity for 8,000 tons of freight, including large refrigerated and air-cooled spaces for perishable products.

The *California* is to be launched in July of 1927 and her first sailing in United States intercoastal service is expected to be from New York the latter part of October, 1927. It is planned to build two more similar vessels for the same service, the total cost of the three to be around $21,000,000.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Two Weeks Ending December 25, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Nitro	U. S. Government	December 12	December 12	2	(2)
Lochmonar	Royal Mail Steam Packet Co	December 13	December 13	28	(2)
Amazonas	Peruvian Line	December 13	December 15	1,097	(2)
Atrato	Colombian Transport Co	December 15	December 15	(1)	70
Garfield	N. O. & S. A. S. S. Line	December 15	December 15	(1)	33
Fella	Nav. Lib.-Triestina	December 15	December 15	17	24
Acajutla	Pacific Steam Navigation Co	December 17	December 17	(1)	2
Lisbon Maru	Nippon Yusen Kaisha	December 18	December 18	588	(2)
Tong King	East Asiatic Co	December 18	December 19	377	(2)
La Paz	Pacific Steam Navigation Co	December 19	December 19	1½	(2)
Absia	Anglo-Saxon Petroleum Co	December 24	December 25	6,892	(2)
Jamaica	Pacific Steam Navigation Co	December 23	December 24	(1)	1½
Salina	U. S. Government	December 24	(In port)	5	(2)
Corinto	Panama Mail S. S. Co	December 24	December 25	55	(2)
Nora	Grace Line	December 25	December 25	11,429	(2)

[1] No cargo discharged. [2] No cargo laded.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Location of Patients and Visiting Hours, at Ancon Hospital.

The following table shows the distribution of patients in the Ancon hospital buildings and the visiting hours for the various wards and sections:

Section and Ward.	Visiting Hours.
Section "B:"	
Ward 5, Male, private rooms, American boys	Daily 9.30 to 11 a. m.; 2.00 to 4.30 p. m.; 6.30 to 8.00 p. m. (No visitors permitted in nursery.)
Ward 6, Foreign, male and female, private rooms, American girls	
Ward 7, White female, private rooms	
Ward 8, Obstetrical department, white females (Nursery)	
Section "C:"	
Ward 9, White foreign, male	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p. m.
Ward 11, Colored, male, surgical	
Ward 12, Colored, male, medical, eye and ear	
Ward 13, Colored, male, G. U.	
Ward 14, American, male G. U.	
tion "D:"	
Ward 15, American, male, surgical	Tuesdays, Thursdays, and Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m.
Ward 16, American, male, medical, eye and ear	Sundays and holidays, 9.30 to 11 a. m.; 2.30 to 4.30 p. m.
Ward 17, Colored children	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 18, White children	Daily 9.30 to 11 a. m.; 2 to 4 p. m.
Ward 19, Colored, female, medical	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 20, Colored, female, surgical, obstetrical	
solation	No visitors permitted except to visit tuberculosis patients Thursdays, Sundays, and holidays, 1.30 to 3 p. m.

Permission to visit outside of visiting hours will be granted upon application to the Superintendent's Office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines, and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., January 5, 1927. No. 22.

Traffic Through Panama Canal in Calendar Year 1926.

Transits of commercial vessels through the Panama Canal in the year ending December 31, 1926, totaled 5,420. This establishes a new high record for number of commercial transits, as compared with the previous record of 5,230 for the fiscal year ending June 30, 1924.

Tolls collected during the year 1926 amounted to $23,901,540.04. This is less than the $24,290,963.54 collected in the fiscal year ending June 30, 1924, and is the second largest amount collected in a year.

From the opening of the Panama Canal to traffic on August 15, 1914, to the close of business on December 31, 1926, a total of 37,599 commercial vessels have transited the Canal, paying $154,064,037.71 in tolls.

Commercial Traffic in December, 1926, and Year 1926.

During the month of December, 1926, 458 commercial vessels and 22 small launches transited the Canal. Tolls on the commercial vessels aggregated $1,996,036.72, and on the launches $128.40, or a total tolls collection of $1,996,165.12.

The daily average number of transits for the month was 14.77, and the average tolls collection $64.388.28. The average amount of tolls paid by each of the commercial transits was $4,358.16.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the calendar year 1926, with the daily averages of transits and tolls, with comparative totals for the calendar years 1925 and 1924:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
January	479	$2,103,368.29	15.45	$67,850.59
February	424	1,835,226.47	15.14	65,543.80
March	506	2,206,212.20	16.32	71,168.13
April	425	1,917,457.11	14.16	63,911.90
May	470	2,056,965.55	15.16	66,353.72
June	419	1,852,670.66	13.96	61,755.68
July	456	1,980,719.67	14.71	63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
Totals, calendar year 1926	5,420	23,901,540.04	14.84	65,483.67
Totals, calendar year 1925	4,774	21,380,759.70	13.10	58,577.39
Totals, calendar year 1924	4,893	22,809,416.34	13.37	62,320.81

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, January 1, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Lake Ormoc	25	13.25	26	6.15	26	14.09	26	15.20	American	Ford Motor Co.	251.0	43.0	16.6	New York, N. Y.	Los Angeles, Cal.	Auto parts	1,360	2,529	1,668
Chiman [2]	23	17.30	26	6.11	26	15.05	27	10.22	Panaman	National Navigation Co.	116.0	21.0	9.0	Cristobal, C. Z.	Buenaventura, Col.	General	311	211	124
Elisha Walker [1]	25	19.55	26	6.25	26	13.17	26	14.25	American	Huasteca Petroleum Co.	429.3	59.2	19.0	New Orleans, La.	Los Angeles, Calif.	Ballast		7,978	5,899
Hadnot [1]	26	22.30	26	7.32	26	15.00	26	16.05	American	Cities Service Corp.	430.0	56.2	18.0	Boston, Mass.	Los Angeles, Calif.	Ballast		6,706	4,639
Edgehill	25	22.50	26	8.45	26	16.32	26	17.40	American	Atl. Gulf & Oriental Co.	410.5	54.0	21.7	New Orleans, La.	Shanghai, China	Cotton, general	4,189	7,451	5,845
Talaralite [1]	26	11.25	26	11.40	26	17.52	27	1.25	British	Imperial Oil Co.	250.0	43.8	20.0	St. Johns, N. B.	Talara, Peru	Ballast		2,631	1,570
S. M. Spalding [1]	26	11.35	26	11.45	26	18.40	26	19.45	American	Pan-Amer. Pet. & Tr. Co.	435.0	56.0	19.0	Baltimore, Md.	Los Angeles, Calif.	Ballast		7,331	5,111
Lochgoil [2]	25	7.55	26	12.30	26	19.35	27	00.02	British	Royal Mail S. P. Co.	485.6	62.3	21.3	Rotterdam, Holland	Vancouver, B. C.	General, bananas	5,023	10,803	7,606
Ario [1]	26	20.10	27	6.26	27	13.23	27	14.30	American	Standard Transp. Co.	435.0	56.0	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,386	5,117
Urubamba	18	20.28	27	10.10	27	16.43	30	19.02	Peruvian	Peruvian Line	381.2	46.1	20.3	Cristobal, C. Z.	Buenaventura, Col.	General	1,106	4,803	2,951
Chilore	25	10.10	27	10.55	27	18.30	27	19.55	American	Ore S. S. Corp.	549.0	72.0	20.4	Norfolk, Va.	Cruz Grande, Chile.	Ballast		14,538	9,348
Honduras	26	6.40	27	11.50	27	19.20	27	20.30	French	French Line	387.1	51.4	20.6	Ft. de France, F.W.I.	Valparaiso, Chile	General	2,045	6,020	4,312
Motor Sailor			27		27	8.11			American	U. S. Navy				Cristobal, C. Z.	Gatun, C. Z.	Ballast			
Capt. Harry M. Smith [3]			27		27	11.56			American	U. S. Army				Cristobal, C. Z.	Gatun, C. Z	Ballast			
Indiana	26	22.40	28	6.13	28	13.14	28	14.14	French	French Line	418.0	56.0	19.0	Havre, France	Vancouver, B. C.	General	4,572	7,157	4,936
Robert E. Hopkins [1]	28	00.41	28	6.30	28	13.45	28	14.54	American	Tidewater Oil Co.	424.0	58.2	21.3	New York, N. Y.	Los Angeles, Calif.	Ballast		7,333	5,182
Etna Maru	28	3.40	28	7.20	28	14.24	28	15.40	Japanese	Kokusai Kisen Kaisha	415.0	55.6	27.0	Baltimore, Md.	Yokkaichi, Japan	Iron, cotton	8,373	7,216	5,339
Apolo	28	3.30	28	7.40	28	15.25	28	16.38	Spanish	Cia. Anonima Mar. Un.	375.0	50.0	14.0	Dijon, Spain	Arica, Chile	Ballast		4,719	3,522
Cuba Maru [2]	28	5.00	28	9.25	28	16.06	28	19.57	Japanese	Kawasaki Kisen Kaisha	495.0	53.0	24.0	Baltimore, Md.	Yokohama, Japan	General	5,994	6,994	5,277
Hagood [1]	28	10.00	28	10.30	28	17.00	29	6.40	American	Crew, Levick & Co.	435.6	56.2	20.0	Boston, Mass.	Los Angeles, Calif.	Ballast		7,426	5,094
Chateau Thierry [1]	28	8.25	28	13.00	28	18.50	29	15.55	American	U. S. Army	448.0	58.0	24.3	Brooklyn, N. Y.	Honolulu, T. H.	Army supplies	684		
Swiftsure [1]	28	13.23	28	13.30	28	20.15	28	21.40	American	C. D. Mallory & Co.	465.0	60.0	18.0	Fall River, Mass.	Los Angeles, Calif.	Ballast		8,473	6,017
Ecuador	27	19.45	29	6.08	29	14.18	29	23.25	American	Panama Mail S. S. Co.	380.6	48.7	21.7	New York, N. Y.	San Francisco, Cal.	General	2,534	5,926	4,178
Jamaica	23	18.30	29	6.15	29	14.29	29	16.45	British	Pacific Steam Nav. Co.	220.0	34.0	13.0	Cristobal, C. Z.	Champerico, Guat.	General	777	1,187	622
William Rockefeller [1]	28	14.30	29	6.20	29	15.20	29	16.30	American	Standard Oil Co.	554.9	75.3	20.6	Baltimore, Md.	Los Angeles, Calif.	Ballast		14,785	10,313
Sciota [5]			29	6.15	29	15.28			American	U. S. Navy	149.3	30.0		Cristobal, C. Z.	Balboa, C. Z.	(6)			
Lubeck	28	15.10	29	7.20	29	17.44	29	21.45	German	Kosmos Line	338.1	44.3	25.1	Hamburg, Germany	Buenaventura, Col.	General	4,565	4,429	2,753
Clausens	28	15.25	29	7.45	29	16.15	29	17.25	American	Isthmian S. S. Lines	409.0	54.0	24.7	New York, N. Y.	San Diego, Calif.	General	7,300	6,581	4,795
Camden [1]	28	17.03	29	8.18	29	17.03	29	18.20	American	United Fruit Co.	419.5	56.5	22.0	Santa Marta, Col.	Los Angeles, Calif.	Ballast		6,977	4,959
Aladdin [1]	28	19.30	29	8.20	29	16.54	29	18.00	American	Standard Transp. Co.	453.0	56.2	18.0	Providence, R. I.	Los Angeles, Calif.	Ballast		7,408	5,112
W. W. Mills [1]	28	21.40	29	9.35	29	18.00	29	19.25	American	Pure Oil Co.	425.0	58.2	21.3	New York, N. Y.	Los Angeles, Calif.	Ballast		7,333	5,119
R. W. Stewart [1]	29	5.50	29	9.40	29	18.50	29	20.00	American	Huasteca Petroleum Co.	467.6	62.7	20.00	Providence, R. I.	Los Angeles, Calif.	Ballast		9,363	6,874
Ohioan	29	5.55	29	10.35	29	18.25	29	19.25	American	Amer.-Hawaiian Line	407.7	53.5	21.0	New York, N. Y.	Los Angeles, Calif.	General	3,281	7,112	4,896
W. L. Steed [1]	29	7.23	29	11.00	29	19.16	29	20.25	American	Huasteca Petroleum Co.	416.8	56.1	22.6	Rouen, France	Los Angeles, Calif.	Ballast		6,751	4,795
Toluma	29	11.10	29	11.25	29	19.45	29	21.05	Norwegian	Grace Line	417.8	54.0	25.3	New York, N. Y.	Chanaral, Chile	(7)	5,065	7,176	5,219

[1] Tanker. [2] Motor ship. [3] Launch. [4] Transport. [5] Tug. [6] Towing barge *No. 8*. [7] Coke, iron, steel, acids, and cement.

J. M. Danziger [1]	29	11.58	29	12.05	29	20.10	29	21.31	American...	Huasteca PetroleumCo.	430.0	58.0	22.6	New Orleans, La...	Los Angeles, Calif.	Ballast.....	.....	6,963	4,886
Andrea F. Luckenbach..	29	10.48	29	12.50	29	20.42	30	00.49	American...	Luckenbach Line.....	496.0	68.0	23.5	Boston, Mass.....	Seattle, Wash.....	General.....	8,488	11,487	8,762
Independence..	29	13.25	29	13.40	29	21.00	29	22.00	American...	American-Pioneer Line.	440.0	56.0	24.7	New York, N. Y...	Far East.....	Case oil, general.	6,963	8,290	6,063
Nevada.....	29	3.40	29	13.50	29	21.31	29	22.35	French.....	French Line.....	418.0	56.0	19.0	Ft. de France,F.W.I	Vancouver, B. C...	Pipes, glass, gen.	1,560	7,500	5,196
Maihar.....	29	20.40	30	6.25	30	13.27	30	14.20	British.....	T. & J. Brocklebank...	470.4	58.0	25.0	Tampico, Mexico..	Adelaide, Australia	General.....	6,277	8,246	5,700
Santa Luisa....	29	20.45	30	7.04	30	14.05	30	17.40	American...	Grace Line.....	360.2	51.6	22.0	New York, N. Y...	Talcahuano, Chile.	General.....	2,206	5,710	3,998
Finland.....	30	8.23	30	8.45	30	15.42	30	23.35	American...	Panama-Pacific Line...	560.0	60.2	23.0	New York, N. Y...	San Francisco, Cal.	General.....	2,122	13,559	9,016
Grootendijk....	30	6.45	30	11.55	30	18.30	30	19.34	Dutch.....	Holland-American Line.	450.0	58.0	17.6	Antwerp, Belgium.	Portland, Oreg....	General.....	1,283	8,730	5,860
Vittorio Veneto	28	17.45	30	13.17	30	20.25	30	21.38	Italian.....	La Veloce Line.....	393.6	49.0	18.3	Genoa, Italy.....	Valparaiso, Chile..	General.....	2,191	4,854	3,232
Sigdal.....	25	17.30	30	13.30	30	21.32	30	22.50	Norwegian..	Colombian Transp. Co.	210.0	33.0	13.0	Cristobal, C. Z...	Buenaventura, Col.	General.....	998	1,063	685
Agwibay [1].....	30	14.00	30	14.10	30	22.20	31	3.55	American...	Tidewater Oil Co.....	468.5	62.7	19.0	New York, N. Y...	Los Angeles, Calif.	Ballast.....	.....	9,776	6,903
Betty [2].....	27	2.40	31	6.40	31	14.10	1-1	9.40	American...	So. Amer.Gold & Pl. Co.	76.8	18.5	4.6	New Orleans, La...	Buenaventura, Col.	General.....	35	90	58
President Monroe.....	31	6.12	31	7.10	31	13.37	1	00.15	American...	Dollar Line.....	502.1	62.2	27.0	New York, N. Y...	Orient.....	General.....	6,992	12,023	8,495
Steelmaker.....	31	00.25	31	7.20	31	14.35	31	16.35	American...	Isthmian S. S. Lines...	395.5	55.0	27.0	Galveston, Tex....	Yokkaichi, Japan.	(3)	8,171	7,330	5,245
Holmslight.....	31	11.15	31	11.30	31	18.42	31	20.00	British.....	Lewis Co.....	340.0	48.0	16.0	Norfolk, Va.....	San Francisco, Cal.	Ballast.....	.....	4,906	3,629
Oneida.....	31	14.12	31	14.20	31	20.37	1-1	00.15	American...	Ford Motor Co.....	251.0	43.6	17.0	New York, N. Y...	Seattle, Wash.....	Motor parts.....	1,555	2,656	1,632
Corinto.....	25	16.10	1-1	6.05	1-1	14.15	1	18.45	American...	Panama Mail S. S. Co..	261.1	40.0	16.5	Cristobal, C. Z....	San Francisco, Cal.	General.....	2,080	2,352	1,549
Betty.....	31	14.00	1	6.15	1	14.18	1	15.40	Norwegian..	Johan Elissen.....	290.0	41.0	18.0	Norfolk, Va.....	Guayaquil,Ecuador	Coal.....	2,100	.....	.....
Jane Christensen.....	31	17.00	1	6.19	1	13.57	1	14.50	American...	Sudden & Christensen..	409.5	54.2	23.6	Savannah, Ga.....	Seattle, Wash.....	General.....	6,547	6,615	4,966
Californian [2]...	1-1	5.40	1	7.35	1	14.48	1	15.45	American...	Amer.-Hawaiian Line..	461.8	59.8	19.0	New York, N. Y...	Tacoma, Wash.....	General.....	4,864	8,567	6,020
Firmore.....	1	8.45	1	9.00	1	15.48	1	21.20	American...	Ore S. S. Corp.....	449.1	57.2	17.0	Baltimore, Md....	Cruz Grande, Chile	Ballast.....	.....	7,847	5,185
Sagadahoc.....	1	10.20	1	10.25	1	17.31	1	23.12	American...	Argonaut S. S. Co.....	420.5	54.2	27.6	Baltimore, Md....	Tacoma, Wash.....	Steel, general....	8,905	7,340	5,342
Redbird.....	1	13.45	1	14.00	1	22.20	1	23.25	American...	Munson S. S. Line.....	324.0	46.2	22.0	Boston, Mass.....	Los Angeles, Calif.	General.....	4,042	3,965	2,573

[1] Tanker. [2] Steel rails and cotton.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Rio Dorado....	25	15.00	26	6.13	26	14.05	26	15.10	British.....	Thompson S. S. Co....	390.0	55.35	24.0	San Francisco, Cal.	St. Thomas, V. I. [9].	Barley.....	7,777	.....	.....
F. H. Wickett [1]	25	15.15	26	7.25	26	15.05	26	15.05	American...	HuastecaPetroleum Co.	468.0	62.05	28.9	Los Angeles, Calif.	Providence, R. I...	Fuel oil.....	12,300	9,666	7,034
J.A. Moffett,Jr [1]	26	5.30	26	8.14	26	16.40	26	16.40	American...	Standard Oil Co.of N.J.	499.2	68.1	29.8	Talara, Peru.....	Charleston, S. C...	Crude oil.....	15,720	11,037	7,995
Henry S. Grove	26	7.30	26	8.52	26	16.00	26	16.00	American...	Argonaut S. S. Co.....	404.6	52.95	27.0	Tacoma, Wash.....	Baltimore, Md....	Lumber, general.	6,608	6,754	4,688
Cerro Azul [1]...	26	9.30	26	10.21	26	18.15	26	18.15	American...	HuastecaPetroleum Co.	480.6	66.9	27.8	Los Angeles, Calif.	Providence, R. I...	Fuel oil.....	12,718	9,398	6,453
Ruahine.....	25	23.50	26	11.26	26	17.45	26	17.45	British.....	N. Z. Shipping Co.....	480.6	60.3	26.0	Wellington, N. Z..	London, England..	Frozen, general..	4,960	11,428	8,403
Sutermco.....	26	11.15	26	11.57	26	19.40	26	19.40	American...	Transmarine Lines.....	324.0	46.2	24.3	Aberdeen, Wash...	New York, N. Y...	Lumber, general.	4,128	3,984	2,628
F. H. Hillman [1]	27	1.00	27	6.00	27	15.10	27	19.45	American...	StandardOil Co.of Calif.	500.0	68.2	27.6	San Francisco, Cal.	London, England..	Gasoline.....	14,000	11,225	7,913
Cuyama [1].....	22	14.00	27	7.25	27	15.35	27	15.35	American...	U. S. Navy.....	475.0	53.0	26.4	Los Angeles, Calif.	Guantanamo,Cuba.	Fuel oil.....	7,200	.....	.....
Lochkatrine [2]..	26	12.00	27	8.12	27	16.03	27	16.03	British.....	Royal Mail S. P. Co...	485.4	62.3	29.6	Vancouver, B. C...	Liverpool, England	General.....	10,506	10,802	7,595
Easterner.....	26	22.00	27	9.04	27	17.10	27	17.10	American...	Roosevelt S.S. Co., S.B.	385.0	51.0	16.3	Sydney, Australia..	New York, N. Y..	Wool, skins, gen.	916	5,945	4,561
Vancouver Maru.....	26	22.30	27	9.56	27	18.15	27	18.15	Japanese....	Kokusai Kisen Kaisha..	385.0	51.0	26.2	Vancouver, B. C...	Norfolk, Va. [9].....	Wheat.....	7,218	5,919	4,389
Adalia.....	27	4.00	27	11.00	27	19.05	28	19.50	German.....	Hamburg-AmericanLine	337.54	48.22	20.0	Punta Arenas,Chile	Hamburg,Germany	Nitrate, general.	4,900	4,284	3,054
Point Judith...	27	9.12	27	11.10	27	18.55	27	18.55	American...	Swayne & Hoyt.....	289.0	44.15	19.4	Los Angeles, Calif.	New Orleans, La...	Lumber, general.	3,200	2,909	1,962
Semiramis [1]...	27	13.00	28	6.28	28	14.00	28	14.00	Dutch.....	Anglo-Saxon Pet. Co...	427.0	53.0	24.7	San Francisco, Cal.	Land's End, Eng. [9].	Gasoline.....	7,148	6,298	4,317
Swiftlight [1]....	27	24.00	28	7.39	28	16.50	28	16.50	American...	C. D. Mallory & Co....	464.65	60.20	27.7	Los Angeles, Calif.	Fall River, Mass...	Crude oil.....	10,946	8,473	6,050
Sciota [5].....	.....	.....	28	8.14	28	17.00	29	6.15	American...	U. S. Navy.....	155.0	30.0	.....	Balboa, C. Z.....	Cristobal, C. Z....	(6)	.....	.....	.....

[1] Tanker. [9] For orders.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC—continued.

Ship.	Arrived at port. Day.	Arrived at port. Hour.	Entered Canal. Day.	Entered Canal. Hour.	Completed transit. Day.	Completed transit. Hour.	Cleared for sea. Day.	Cleared for sea. Hour.	Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo. Nature.	Cargo. Tons.	Panama Canal tonnage. Gross.	Panama Canal tonnage. Net.
Benarty	28	13 15	28	13 55	28	21 00	28	23 40	British	W. Thomson & Co.	420 2	54.0	25.5	Portland, Oreg.	Naples, Italy	Wheat	8,200	6,413	4,219
Franklin K. Lane [1]	28	18 30	29	6 12	29	17 55	29	17 53	American	Pan-Amer. Pet. & Tr. Co.	435.0	56 3	26 3	Los Angeles, Calif.	Baltimore, Md	Refined gasoline	9,773	7,405	5,131
F. J. Luckenbach	28	15 45	29	6 52	29	18 5	29	18 40	American	Luckenbach Line	446 0	56.17	29.0	Portland, Oreg	Boston, Mass.	General, lumber	8,448	8,598	6,179
Manchuria	28	16 15	29	7 09	29	17 4	29	18 00	American	Panama-Pacific Line	600.0	65 3	30.6	San Francisco, Cal.	New York, N. Y.	(13)	7,067	17,044	11,488
Varanger [1]	28	20 00	29	8 02	29	19 1	29	19 15	Norwegian.	Westfal, Larsen & Co	469 0	60.2	31 6	Los Angeles, Calif.	Land's End, Eng. [18]	Tops	12,346	9,431	6,451
Agwistone [1]	28	18 00	29	8 18	29	19 5	29	19 55	American	Inter. Shipping Corp.	499.9	68.1	29.6	Los Angeles, Calif.	New York, N. Y.	Crude oil	15,000	10,853	7,804
Benlomond	28	21 20	29	8 55	29	20 3	29	22 00	British	W. Thomson & Co.	405 0	53 0	23 0	Portland, Oreg.	United Kingdom	(11)	7,120	5,179	3,573
Robin Hood	29	2 35	29	9 25	29	21 05	29	21 05	American	Isthmian S. S. Lines	424.8	55 2	26 0	Vancouver, B. C.	New Bedford, Mass	Lumber	7,000	7,473	5,533
Zuizerdee [11]	29	8 00	29	9 32	29	18 0	31	6 00	Dutch.	L. Smit & Co.	109.81	20.93	12.0	Talara, Peru	Rotterdam, Holland	Ballast		220	110
Indian City	29	1 50	29	10.42	29	23 3	29	23 30	British	W. R. Smith & Sons	411.7	54 5	28.0	Vancouver, B. C.	Fayal, Azores [18]	Wheat	8,250	6,512	4,665
Onondaga	29	10 07	29	11 07	29	22 35	30	3 40	American.	Ford Motor Co.	251.0	43.6	20.0	Bellingham, Wash.	New York, N. Y.	(15)	2,545	2,656	1,632
Colombia	29	00 31	29	13 33	29	22 3	31	00 25	American	Panama Mail S. S. Co.	380.0	48.7	24.6	San Francisco, Cal.	New York, N. Y.	General	2,479	6,015	4,281
Zenon	29	13 30	29	14 05	30	1 14	30	20 55	French	French Line	425 0	55.0	25 6	Vancouver, B. C.	Havre, France	(16)	7,429	6,982	4,834
Floridian	29	14 15	30	6 11	30	13 04	30	16 37	American	Amer.-Hawaiian Line	415 0	53.7	26 0	Seattle, Wash.	Boston, Mass.	General	5 756	7,273	5,105
China Maru	29	17 00	30	7 18	30	19 05	30	19 05	Japanese.	Kawasaki Kisen Kaisha	385 0	51 0	26.0	Vancouver, B. C.	Norfolk, Va. [23]	Wheat	7,055	5,924	4,395
Canadolite [10]	29	2.30	30	8 25	30	18 35	30	20 25	British	Imperial Oil Co., Ltd.	510 9	60.25	29 9	Los Angeles, Calif.	Halifax, N. S.	Crude oil	15,297		
Oran	30	2 11	30	9 01	30	17 42	30	17 42	American	Oriental Navigation Co.	410 5	54 2	25 4	Portland, Oreg	Philadelphia, Pa.	Lumber	6,790	6,755	4,887
Superseyco	30	9 40	30	10 44	30	19 40	30	19 40	American.	Transmarine Lines	340 0	46 2	23 8	Gray's Har., Wash.	New York, N. Y	Lumber	4,333	3,984	2,628
Teno	30	11 30	30	12 51	30	20 46	31	1 00	Chilean.	South American S.S.Co.	421 8	56 0	26.6	Valparaiso, Chile	New York, N. Y.	General	4,864	7,758	4,672
Targis	30	11 35	30	13 11	30	21 40	31	14 40	German	Roland Line	429 8	55 1	26.7	Valparaiso, Chile	Hamburg, Germany	General	8,699	7,533	5,413
Gymeric [1]	30	24 00	31	6 14	31	13 55	31	17.00	British	Bank Line, Ltd.	420.3	54 6	26 0	Los Angeles, Calif.	Bowling, Clyde, Scot	Gasoline	8,802	6,501	4,459
Meigen Maru	30	19 15	31	7 09	31	14 50	31	14 50	Japanese	Suzuki & Co	400.0	53.0	24.2	Prince Rupert, B.C	Nortolk, Va. [18]	Wheat	6,975	5,607	4,329
Mystic	31	7 35	31	8 18	31	15 30	1-1	00 35	American.	Arrow Line	400.7	54.2	26 0	Portland, Oreg.	Baltimore, Md	Lumber, general	7,016	6,623	4,625
Cities Service Petrol [1]	31	9 45	31	10 43	31	19 15	31	19.15	American	Cities Service Co.	468.3	62.7	30 2	Long Beach, Calif.	Boston, Mass.	Fuel oil	13,450	9,802	7,292
Swan [11]			31	11 20	31	19 15			American	U. S. Navy				Balboa, C. Z	Cristobal, C. Z.	(12)			
Bethore	31	6 45	31	13 18	1-1	13 25	1-1	13 25	American	Ore S. S. Corp	550.3	72.2	34 06	Cruz Grande, Chile.	Baltimore, Md	Iron ore	19,800	15,476	4,354
Canadian Freighter	31	21 00	1-1	6 10	1	14 00	1	14 00	British	Can. Gov. Mer. Marine	400.0	52.0	25 0	Chemninus, B. C.	Glasgow, Scotland	Lumber, general.	6,203	6,224	4,487
Agnes E. [17]	31	23 00	1	6 19	1	15 10	2	6 00	Panaman	Pacific Fruit Co	57.8	19.7	7.6	Panama Bay, R. P.	Cristobal, C. Z.	Bananas	10	57	29
D. G. Scofield [1]	31	23 55	1	7 04	1	15 00	1	15 00	American.	Standard Oil Co. of Calif.	439.5	58.0	31.0	Los Angeles, Calif.	Bayonne, N. J.	Fuel oil in bulk.	11,000	8,698	5,735
Orbita	1-1	2.30	1	8 08	1	15 47	2	00.25	British	Pacific Steam Nav. Co.	550.3	67.3	31 0	Valparaiso, Chile	Liverpool, England	General	6,758	16,846	11,677

[1] Tanker. [10] Motor ship. [11] Tug. [12] Towing barge *No. 2*. [13] Canned goods and cotton. [14] Timber, wheat, and concentrates. [15] Lumber and Ford automobile parts.
[16] Wheat, canned goods, and copper. [17] Motor schooner. [18] For orders. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

*ARRIVALS.				*DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
December 25	Manchioneal	United Fruit Co.	Port Antonio, Jamaica.	December 26	Ulua	United Fruit Co.	New York via Habana.
December 26	Ulua	United Fruit Co.	Port Limon, Costa Rica.	December 26	Heredia	United Fruit Co.	Port Limon, Costa Rica.
December 26	Heredia	United Fruit Co.	New Orleans via Habana.	December 26	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
December 26	Bienvenido	P. N. and J. N. Carranza	San Felix, Venezuela.	December 27	Cristales	Elders & Fyffes, Ltd.	Port Limon, Costa Rica.
December 27	Cristales	Elders & Fyffes, Ltd.	Liverpool, England.	December 27	Bienvenido	P. N. and J. N. Carranza	Guanta, Venezuela.
December 27	Toloa	United Fruit Co.	New York via Habana.	December 28	Alexandrian	Leyland Line	New Orleans and Port Limon.
December 29	Heredia	United Fruit Co.	Port Limon, Costa Rica.	December 29	Heredia	United Fruit Co.	New Orleans via Habana.
December 29	Santa Marta	United Fruit Co.	New York via Kingston.	December 29	Toloa	United Fruit Co.	Port Limon, Costa Rica.
December 29	Turrialba	United Fruit Co.	New Orleans via Habana.	December 29	Maria Cristina [19]	A. Tagaropulos	Colon, Rep. of Panama.
December 29	Teutonia	Hamburg-American Line	Cartagena, Colombia.	December 29	Inapaquina [19]	United Fruit Co.	Colon, Rep. of Panama.
December 29	Venezuela	Royal Netherlands W. I. Mail	Hamburg, via wayports.	December 30	Santa Marta	United Fruit Co.	Colombian ports.
December 29	Maria Cristina [19]	A. Tagaropulos	Colon, Rep. of Panama.	December 30	Carrillo	United Fruit Co.	New York via Kingston.
December 29	Inapaquina [19]	United Fruit Co.	Colon, Rep. of Panama.	December 30	Turrialba	United Fruit Co.	New Orleans via wayports
December 30	Carrillo	United Fruit Co.	Cartagena, Colombia.	December 30	Venezuela	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
December 30	Granada	Standard Fruit S. S. Co.	New Orleans, La.	December 30	Teutonia	Hamburg-American Line	Port Limon, Costa Rica.
December 30	Caledonia	Anchor Line	New York via West Indies	December 30	Granada	Standard Fruit S. S. Co.	San Blas coast, R. P.
December 30	Colonia [21]	Tel. Const. & Maintenance Co.	London via wayports.	December 31	Esparta	United Fruit Co.	New York via Habana.
December 31	Barry [20]	U. S. Navy	Guantanamo, Cuba.	December 31	La Perla	United Fruit Co.	Boston via Kingston.
December 31	Esparta	United Fruit Co.	New York via wayports.	December 31	Caledonia	Anchor Line	New York via wayports.
December 31	La Perla	United Fruit Co.	Bocas del Toro, R. P.	December 31	Colonia [21]	Tel. Const. & Maintenance Co.	High seas.
December 31	Macoris	French Line	Havre via wayports.	January 1	Barry [20]	U. S. Navy	Bluefields, Nicaragua.
January 1	Granada	Standard Fruit S. S. Co.	San Blas coast, R. P.	January 1	Granada	Standard Fruit S. S. Co.	New Orleans, La.
January 1	Kyphissia	Hamburg-American Line	Hamburg and wayports.	January 1	Manchioneal	United Fruit Co.	Mobile, Ala.
January 1	Venezuela	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.				

[19] Motor schooner. [20] Destroyer. [21] Cable ship.

PORT OF BALBOA.

January 1	Carabobo [22]	Colombian Government	Buenaventura, Colombia.	December 26	Nora	Grace Line	Los Angeles, Calif.
.....	.....	.....	.....	December 28	S. A. Perkins	James Griffiths & Son	San Francisco, Calif.

[22] Revenue cutter.

* Other than ships passing through the Canal.

Heavy Day's Traffic.

Twenty-nine commercial vessels, having an aggregate net tonnage of 146,184, Panama Canal measurement, transited the Canal on December 29, 1926. Combined tolls on the day's traffic totaled $135,943.16. In point of number of commercial transits, this established a record for Canal traffic. The previous high record for number of commercial transits was established on March 20, 1926, with twenty-six.

With respect to the amount of tolls collected and the amount of cargo carried, however, the day's business of December 29, 1926, fell short of the $136,604.77 collected from 25 vessels on May 25, 1923, and the 163,202 tons of cargo carried by 25 vessels on January 14, 1924, which remain as record days for those respective items.

The following is a statement showing the traffic of December 29, 1926, by direction:

	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
North	13	61,642	$63,692.45	88,802
South	16	84,542	72,250.71	40,718
Total	29	146,184	135,943.16	129,520

The above does not include the Navy tug *Sciota*, towing a barge, transiting southbound.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective November 30, 1926:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.23
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.44
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.16
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.14
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.14
Grease, gear, chain and wire rope, lubricating	Lb.	.03
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.18
Waste, cotton, white	Lb.	.21

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Two Weeks Ending December 31, 1926.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
Oroya	Pacific Steam Navigation Co		December 19		90
Buenos Aires	Spanish Line		December 19		291
Perou	French Line		December 19		1,247
Pastores	United Fruit Co	December 19	December 19	12	47½
Parismina	United Fruit Co	December 19	December 19	643	43½
La Paz	Pacific Steam Navigation Co	December 19	December 19	94	35
Lisbon Maru	Nippon Yusen Kaisha	December 19	December 20	343	(1)
Alaska	French Line		December 20		304
Nichteroy	Pacific Steam Navigation Co	December 20	December 21	(2)	30
Santa Teresa	Grace Line	December 20	December 20	(2)	66
Ulua	United Fruit Co	December 20	December 22	193	41
Buenaventura	Panama Railroad S. S. Line	December 21	December 23	302	907
Vermont	French Line	December 21	December 22	408	(1)
Santos	Johnson Line	December 21	December 22	150	170
Camden	United Fruit Co	December 22	December 23	4,417	(1)
Santa Cruz	Grace Line	December 22	December 23	32	16
Carrillo	United Fruit Co	December 22	December 23	231	510
Parismina	United Fruit Co	December 22	December 22	(3)	237
Cristobal	Panama Railroad S. S. Line	December 22	December 26	2,753	2,716
Atenas	United Fruit Co	December 22	December 23	829	48
Jamaica	Pacific Steam Navigation Co	December 23	December 29	276	780
Loreto	Pacific Steam Navigation Co	December 23	December 24	38	103
Heluan	Kosmos Line	December 23	December 24	356	28
Chiman	National Navigation Co	December 23	December 26	220	311
Cibao	United Fruit Co	December 23	December 25	(2)	379½
Virginia	Standard Fruit S. S. Co	December 23	December 23	213	(1)
Yoro	Standard Fruit S. S. Co	December 23	December 25	(2)	34½
Montevideo Maru	Osaka Shosen Kaisha	December 23	December 23	17	(1)
Sixoala	United Fruit Co	December 23	December 23	3	228
Cid	Pacific Steam Navigation Co	December 24	December 24	289	149
San Gil	United Fruit Co	December 24	December 24	¾	(1)
Lochgoil	Pacific Steam Navigation Co	December 25	December 26	265	245
Coronado	Pacific Steam Navigation Co	December 25	December 25	6	(1)
Alexandrian	Leyland Line	December 25	December 28	599	180
Sigdal	Colombian Transport Co	December 25	December 30	946	1,000
Yoro	Standard Fruit S. S. Co	December 25	December 25	(2)	407
Hudson	French Line	December 25		286	
Corinto	Panama Mail S. S. Co	December 25		709	
Heredia	United Fruit Co	December 26	December 26	410	61
Ulua	United Fruit Co	December 26	December 26	3	125
Urubamba	Peruvian Line		December 26		1,114
Honduras	French Line	December 26	December 27	161	468
Indiana	French Line	December 26	December 28	16	168
Ecuador	Panama Mail S. S. Co	December 27	December 29	987	100
Toloa	United Fruit Co	December 27	December 29	561	11
Adalia	Hamburg-American Line	December 27	December 28	400	(1)
Leme	Navigation Libera-Triestina	December 27		234	
Vittorio Veneto	La Veloce Line	December 28	December 30	349	306
Santa Marta	United Fruit Co	December 29	December 30	555	322
Turrialba	United Fruit Co	December 29	December 30	917	1
Heredia	United Fruit Co	December 29	December 30	(2)	176
Santa Luisa	Grace Line	December 29	December 30	(2)	3
Colombia	Panama Mail S. S. Co	December 29	December 30	549	122
Teutonia	Hamburg-American Line	December 29	December 30	312	65
Nevada	French Line	December 29	December 29	241	(1)
Zenon	French Line	December 29	December 31	184	203
Venezuela	Royal Netherlands W. I. Mail	December 29	December 30	48	(1)
Granada	Standard Fruit S. S. Co	December 30	December 30	298	8
Grootendijk	Holland-American Line	December 30	December 30	76	(1)
Targis	Roland Line	December 30	December 31	309	39
Carrillo	United Fruit Co	December 30	December 30	20	43
Esparta	United Fruit Co	December 31	December 31	150	2
La Perla	United Fruit Co	December 31	December 31	1	(1)
Macoris	French Line	December 31		461	
Gera	Kosmos Line	December 31		230	

[1] No cargo laded. [2] No cargo discharged. [3] 962 pounds.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.05 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $10.00 per ton of 2,240 pounds at Cristobal, and $13.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $10.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $11.00 per ton at Cristobal, $14.00 at Balboa. If less than 50 tons is taken from lighters, prices are $13.00 per ton at Cristobal and $16.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $11.00 Cristobal and $14.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity.. .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage in such cases, as provided in Paragraph 4, Item 3, of the tariff, and for handling lines in accordance with Item 4, of the tariff

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Hours of Departure of Passenger Trains.

Following are the hours of departure of the passenger trains of the Panama Railroad running between the Atlantic and the Pacific:

From Colon: 9.10 a. m., 12.15 p. m., 4 p. m.

From Panama: 7 a. m., 12.15 p. m., 6.10 p. m.

The trains leaving at 12.15 p. m. do not run on Sundays and holidays; the others are daily.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., January 12, 1927. No. 23.

Cargo Shipped Through the Panama Canal in Calendar Year 1926, Establishes New Record.

The total quantity of cargo shipped through the Panama Canal in the calendar year 1926, was 27,586,051 long tons. This was an increase of 16.4 per cent over the cargo tonnage for the preceding calendar year and was the largest for any 12-month period since the opening of the Canal to traffic. The previous high record was 26,994,710 tons, in the fiscal year 1924.

The above cargo was carried by vessels making 5,420 transits and paying $23,901,540.04 in tolls, with a Panama Canal net tonnage of 25,836,241.

A statement of traffic by nationalities of vessels for the calendar year 1926, will be published in the issue of January 19.

Overhaul of Gatun Locks.

Work on the overhaul of the locks at Gatun will commence on January 17, 1927, and be completed in about 3 months. In addition to the routine overhaul of gates, valves, and underwater parts, the program includes the installation of 40 new cylindrical valves to replace those which have been in use since the completion of the Canal.

These new valves have been constructed from an improved design. The wearing surfaces are of bronze and can be removed when worn, thus avoiding the necessity for replacing the entire valve as in the old design. Twenty of these valves were manufactured by the Mechanical Division of The Panama Canal and 20 were procured from the United States.

Plans and schedules for the work call for its completion in about 80 working days with an addition to the force at the locks of 95 gold and 600 silver men. Of the gold force, 18 machinists, 4 towing locomotive operators, and 2 steam engineers were employed in the United States, most of the remainder being secured from other departments and divisions with a few employments on the Isthmus. All of the silver force was recruited locally. This force will be cared for in bachelor quarters at Cristobal and will be transported to and from the work in labor trains.

During the overhaul period first one side of the locks will be out of commission and then the other. The side in use will be in service 24 hours per day, with two operating crews from 7 a. m. to 11 p. m., and with one crew from 11 p. m. to 7 a. m. This schedule, combined with the anchorage in Gatun Lake at the south end of the locks, is expected to take care of the traffic, which is usually heavy at this time of the year and will include the United States Battle Fleet during the overhaul period, with little or no delay.

Two shifts of 8 hours each will be worked per day on the overhaul with three shifts of 8 hours each on the delaying items, *i. e.*, those which determine the date of completion, with no work on Sundays and holidays. The estimated number of working days required is 41 for the side first unwatered, 4 to 6 days to shift over, and 35 to complete the other wide, 80 to 82 working days, or approximately 3 months in all.

This is the last lock overhaul planned until the spring of 1929, when Pedro Miguel and Miraflores will be overhauled.

Death of E. A. Drake.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., *January 6, 1927.*

To all concerned.—It becomes my duty to announce, with great sorrow and regret, the death of Mr. E. A. Drake, Vice President and Member of the Board of Directors of the Panama Railroad and Steamship Line, which occurred in New York on January 5.

The span of Mr. Drake's service with the Panama Railroad of nearly 40 years is inspiring in retrospect. Despite the physical infirmities with which he has been suffering for some time, he continued faithful to the last, the paralytic stroke from the effects of which he died having occurred immediately after he had attended a recent directors' meeting.

The officers of the company extend their sincere sympathy to the family in their bereavement. There is for all of those with whom he has been associated a deep sense of personal and official loss in the realization that his death removes one who has been long connected with the administration of the Panama Railroad.

As a mark of respect to Mr. Drake's memory, it is ordered that on the day of the funeral, the date of which will be announced later, the flags on all public buildings and equipment of The Panama Canal and Panama Railroad shall be flown at half-mast until sunset.

H. BURGESS,
Acting Governor, The Panama Canal.
2d Vice President, Panama Railroad.

Traffic by Nationality for December, 1926.

The following tabulations show the commercial traffic through the Canal during the month of December, 1926, classified according to nationality of vessels, by direction of transit, and the combined traffic in both directions, together with corresponding totals for December, 1925 and 1924:

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
British	56	224,375	291,596	365,289	224,115	$265,692.69	206,816
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	2,019
Colombian	2	245	255	386	234	296.85	400
Danish	1	4,219	5,317	6,645	4,244	5,273.75	8,431
Dutch	10	25,685	35,200	40,653	25,047	35,795.25	27,953
French	6	22,059	27,691	34,613	21,500	27,550.45	16,680
German	7	17,517	22,437	28,705	17,623	21,882.75	26,268
Italian	3	11,975	14,196	18,684	11,411	14,968.75	4,332
Japanese	7	29,353	34,494	43,414	27,941	36,474.30	42,931
Norwegian	18	41,617	54,473	67,975	41,759	45,824.10	52,466
Panaman	2	1,497	2,730	3,851	2,703	1,871.25	3,397
Peruvian	5	5,094	8,531	13,798	7,093	6,942.50	4,373
Spanish	2	5,791	7,251	9,390	5,991	6,235.84	406
Swedish	4	10,671	14,524	36,146	12,729	10,401.49	4,112
United States	120	481,318	604,756	775,247	479,721	517,064.77	333,864
Yugo-Slav	1	2,790	3,412	4,297	2,791	2,456.64	
Totals, December, 1926	245	887,718	1,131,568	1,456,403	888,878	1,003,121.38	734,448
Totals, December, 1925	245	921,971	1,169,313	1,492,187	923,009	1,034,320.38	704,170
Totals, December, 1924	193	746,872	949,138	1,207,594	753,881	859,366.81	653,832

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
British	47	199,479	253,173	327,085	201,890	$249,327.65	344,587
Chilean	2	6,991	9,377	14,599	7,862	8,738.75	10,046
Colombian	2	245	255	336	234	305.25	454
Danish	2	9,445	11,004	13,563	9,465	11,806.25	19,400
Dutch	4	7,146	10,213	11,959	6,681	8,932.30	15,750
French	6	19,635	26,758	32,605	19,698	24,606.25	42,727
German	8	21,638	29,380	35,906	21,872	27,110.00	47,995
Italian	3	11,885	13,894	19,718	11,937	14,856.25	19,175
Japanese	11	48,178	53,468	68,360	46,162	59,181.10	74,705
Norwegian	8	23,990	29,085	37,113	22,501	28,517.80	45,565
Panaman	7	4,268	5,194	6,866	4,317	5,304.50	9,307
Peruvian	2	5,016	6,495	9,507	5,762	6,135.30	5,981
Spanish	1	3,017	3,844	5,205	3,226	3,771.25	1,411
Swedish	2	7,486	8,917	30,676	8,762	9,357.50	40,000
United States	108	428,673	542,377	690,207	428,149	534,965.19	898,719
Totals, December, 1926	213	797,192	1,003,434	1,303,755	798,518	992,915.34	1,575,822
Totals, December, 1925	217	863,778	1,088,096	1,396,062	864,144	1,077,576.15	1,654,000
Totals, December, 1924	214	836,061	1,040,058	1,323,335	834,219	1,034,128.23	1,611,855

COMBINED TRAFFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
British	103	423,854	544,769	692,374	426,005	$515,020.34	551,403
Chilean	3	10,503	14,082	21,909	11,838	13,128.75	12,065
Colombian	4	490	510	772	468	602.10	854
Danish	3	13,664	16,321	20,208	13,709	17,080.00	28,831
Dutch	14	32,831	45,413	52,612	31,728	44,727.55	43,703
French	12	41,744	54,449	67,218	41,198	52,156.70	59,407
German	15	39,205	51,817	64,611	39,495	48,992.75	74,263
Italian	6	23,860	28,090	38,402	23,348	29,825.00	23,507
Japanese	13	77,531	87,962	111,774	74,103	95,655.40	117,636
Norwegian	26	65,607	83,558	105,088	64,260	74,341.90	98,031
Panaman	9	5,765	7,924	10,717	7,020	7,175.75	12,704
Peruvian	7	10,110	15,026	23,305	12,855	13,077.80	10,354
Spanish	3	8,808	11,095	14,595	9,217	10,007.09	1,817
Swedish	6	18,157	23,441	66,822	21,491	19,758.99	44,112
United States	228	909,991	1,147,133	1,465,454	907,870	1,052,029.96	1,232,583
Yugo-Slav	1	2,790	3,412	4,297	2,791	2,456.64	.....
Totals, December, 1926	458	1,684,910	2,135,002	2,760,158	1,687,396	1,996,036.72	2,310,270
Totals, December, 1925	462	1,785,749	2,257,409	2,888,249	1,787,153	2,111,896.53	2,358,170
Totals, December, 1924	407	1,582,933	1,989,196	2,530,929	1,588,100	1,893,495.04	2,265,687

Repairs to Gatun Spillway Bridge.

Extensive repairs to the railway bridge across the discharge channel of the Gatun spillway were begun on January 12.

This work will be done by the section of Gatun Dam and backfills, and will include the construction of new abutment piers and the replacement of existing wooden stringers and crossties with steel girders and ties.

It is estimated that the repairs will cost approximately $6,000 and that 6 weeks will be required for completion of the work. During the period of overhaul the bridge will not be available for use by pack animals.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, January 8, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Gera	31	21 55	1 2	6 20	1-2	13 30	1-2	20 00	German	Kosmos Line	407.0	56.0	23 4	Hamburg, Germany	Valparaiso, Chile	General	4,088	6,649	4,558
Colonia [1]	1-4	9 50	2	6 27	2	13 51	2	14 45	British	Tel. Cos. & Maint. Co.	470.3	56.0	24 0	London, England	Valparaiso, Chile	Cable	3,683	8,697	5,442
Agnes E. [2]	1	15 10	2	6.00	2	14.51	2	15 35	Panaman	Pacific Fruit Co.	58.0	20.0	6.8	Cristobal, C. Z.	Balboa, C. Z.	Ballast		57	29
George W. Barnes [3]	1	17 10	2	7 20	2	14 52	2	15.50	American	Hurstpen Petroleum Co.	416 8	56.1	20.6	Baltimore, Md.	Los Angeles, Calif.	Ballast		6,763	4,675
Sulamereo	1	19 10	2	7 35	2	16 24	2	20 35	American	Transmarine Lines	324 0	46 2	21.0	New York, N. Y.	Los Angeles, Calif	General	4,300	3,984	2,628
Pareora	1	20 20	2	8 35	2	16 39	2	17 40	British	Amer.-Australian Line	479.7	62.3	25 0	New York, N. Y.	Brisbane, Australia	General	6,799	9,458	6,867
Eastern Planet	2	2 25	2	8 40	2	17 03	2	18 20	American	Roosevelt S. S. Co	334.8	51.0	20.5	New York, N. Y.	Adelaide, Australia	(7)	1,707	6,235	4,480
Derblay	2	6 35	2	9 50	2	17 23	2	21 15	American	Dollar Line	321.0	46.0	18.0	Philadelphia, Pa.	Seattle, Wash.	General	2,984	3,803	2,319
Argon [4]	2	7 00	2	9 55	2	17 52	2	22 49	American	Standard Oil Co	435.7	56.7	17.0	Providence, R. I.	Los Angeles, Calif.	Ballast		7,336	5,183
City of Vancouver	1	16 00	2	10.55	2	18 50	2	20 07	British	Dom. Iron & Steel Co.	427.0	54.0	25 5	Sydney, N. S.	Vancouver, B. C.	Iron rails	7,690	6,614	4,595
Gedania [5]	2	7 20	2	11 45	2	19 35	2	20 35	Danzig	Standard Oil Co	493.8	64.1	21.7	New York, N. Y.	Los Angeles, Calif.	Ballast		10,596	8,085
Utsarabon [6]	2	12 10	2	12 40	2	20 15	3	00 06	American	Union Oil Co	435.0	56.0	19.0	Baltimore, Md.	Los Angeles, Calif.	Ballast		7,482	5,209
Santa Rosalia	2	12 30	3	6 15	3	15 20	3	16 25	American	Isthmian S. S. Lines	425.0	51.6	25.0	New York, N. Y.	San Antonio, Chile.	Steel, general	5,900	4,443	
Taketoyo Maru	2	17 25	3	6 30	3	15.42	3	17 00	Japanese	Nippon Yusen Kaisha	445 0	53.0	25 3	Galveston, Tex	Yokohama, Japan	(8)	8,468	7,972	5,687
Leone [7]	27	8 55	3	7 20	3	16 06	4	17 45	Italian	Nav. Libera-Triestina	450 0	57.0	17 6	Trieste, Italy	Vancouver, B. C.	General	2,517	8,804	6,455
Eastern Knight	1-2	18 27	3	7 30	3	16 38	3	17 35	American	Quaker Line	415.1	55 7	18.6	Philadelphia, Pa.	Portland, Oreg.	General	3,132	7,643	5,657
Georgian	3	1 50	3	8 15	3	17 02	3	18 00	American	Amer.-Hawaiian Line	386.8	52.2	19.0	Charleston, S. C.	Seattle, Wash.	General	3,988	5,719	4,023
Cherry Branch	3	2 35	3	9 40	3	17 23	3	18 25	British	Nautilus S. S. Co	303.0	51 9	15.8	Liverpool, England	Valparaiso, Chile	General	1,391	5,403	3,960
S 42 [8]			3	9 55	3	18 09	3	19 20	American	U. S. Navy	225.0	23.0		Cristobal, C. Z	Balboa, C. Z				
S 47 [8]			3	9 55	3	18 09	3	19 20	American	U. S. Navy	225.0	23.0		Cristobal, C. Z	Balboa, C. Z				
City of Christiania	3	1 15	3	10 55	3	18 14	3	19 25	British	Ellerman & Bucknall	379 0	53 0	25.6	New York, N. Y.	Sydney, Australia	General	4,058	6,440	4,822
S 43 [8]			3	10 55	3	19 40	3	20 30	American	U. S. Navy	225.0	23.0		Cristobal, C. Z	Balboa, C. Z				
S 44 [8]			3	10.55	3	19 40	3	20 30	American	U. S. Navy	225 0	23.0		Cristobal, C. Z	Balboa, C. Z				
S 45 [8]			3	10 55	3	19 45	3	20 30	American	U. S. Navy	225 0	23.0		Cristobal, C. Z	Balboa, C. Z				
S 48 [8]			3	10 55	3	19 45	3	20 30	American	U. S. Navy	225 0	23.0		Cristobal, C. Z	Balboa, C. Z				
Beaufactor	2	9 05	4	6 11	4	12 41	4	13 35	British	T. & J. Harrison	410.7	52 0	17.0	Liverpool, England	San Francisco, Cal.	Ballast		6,659	4,661
Haarlem	3	9 40	4	6 17	4	13 33	4	14 35	Dutch	Royal Neth. W. I. Mail	361.5	49.6	17.0	Hamburg, Germany	Corral, Chile	General	2,065	4,759	3,660
Sagaiawa [9]	3	19 40	4	7 25	4	14 55	4	20.00	British	Anglo Saxon Pet. Co	425.0	53 0	18.0	Hull, England	San Francisco, Cal.	Ballast		6,118	4,239
Kenoyer [6]	29	8 40	4	8 21	4	14.50			American	U. S. Army (S. B.)	300.0	54.2	21.6	New York, N. Y.	Honolulu, T. H.	Govt. supplies	2,641		
San Fabian [5]	1-3	19 55	4	8.40	4	16 00	4	17 05	British	Eagle Oil Transport Co.	530.0	63.0	24.0	Birkenhead, Eng.	Los Angeles, Calif.	Ballast		13,554	9,614
Canadian Explorer	4	11 42	4	11 50	4	13 47	4	20.00	British	Can. Gov. Mer. Marine	400.0	52.3	20.0	Halifax, N. S.	Auckland, N. Z.	General	3,000	5,853	4,058
Chickasaw City	4	6 25	4	12 02	4	19 45	4	20 37	American	U. S. Steel Products Co.	395 5	55.0	27 10	Baltimore, Md.	Far East	General	8,291	7,322	5,237
City of Bristol	4	12 02	4	13 05	4	20 37	4	21 45	British	Ellerman & Bucknall	452 0	56.6	26.7	New York, N. Y.	Yokohama, Japan	(9)	7,974	8,044	6,102
Suzanico	3	14 20	5	6 07	5	14 05	5	15 30	American	Transmarine Lines	324 0	46 2	21.6	New Orleans, La.	San Francisco, Cal.	General	4,000	3,984	2,628
Acasta [5]	4	17 40	5	6 25	5	14 41	7	14.46	British	Anglo-Saxon Pet. Co.	400.0	52.4	25.8	Curacao, D. W. I.	Los Angeles, Calif.	Fuel oil	7,500	6,134	4,604

[1] Tanker. [2] Cable ship. [3] Motor schooner. [4] Motor ship. [5] Submarine. [6] Transport. [7] Kerosene, automobiles, and general. [8] Steel, general, cotton, and tin plates. [9] Steel, cotton, and general.

Ballena	4	18.45	5	7.45	5	14.51	5	16.00	British	Pacific Steam Nav. Co.	400.0	52.0	17.0	Hull, England	Callao, Peru	Ballast		5,816	4,113
Edgefield	5	8.45	5	9.00	5	17.03	7	16.25	American	American-Pioneer Line	409.6	54.2	25.0	Galveston, Tex.	Far East	General	5,575	7,476	5,900
Samuel Q. Brown [1]	5	10.20	5	10.35	5	17.25	5	19.11	American	Tidewater Oil Co	424.4	58.2	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,333	5,183
West Keats	5	10.48	5	11.15	5	18.52	5	19.58	American	Calif. & East'n S. S. Co.	410.5	54.3	23.0	Philadelphia, Pa.	Seattle, Wash.	General	6,142	6,572	4,900
Harry Luckenbach	5	5.00	5	12.25	5	19.45	5	20.51	American	Luckenbach Line	448.9	60.2	25.0	Boston, Mass.	Tacoma, Wash.	General	6,000	9,262	6,853
Ciricito [10]	4		5		5	12.27			Panaman	San Blas Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	([12])		8	8
Barge No. 28 [11]			5		5	12.27			American	San Blas Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		15	15
Belchers	4	16.25	6	6.25	6	15.09	7	21.55	British	Belcher S. S. Co	251.0	43.0	19.7	Montreal, Canada	Vancouver, B. C.	General	2,423	2,306	1,357
Treloske	6	1.20	6	6.35	6	14.30	6	15.54	British	Hain S. S. Co	400.2	52.1	21.0	New York, N. Y.	Fremantle, Aust'lia	General	3,918	5,767	4,319
Innerton	6	5.15	6	7.35	6	15.51	6	17.00	British	R. Chapman & Son	400.1	52.0	16.0	Barry, England	Vancouver, B. C.	Ballast		5,740	4,087
Pakeha	8	23.10	6	10.45	6	17.42	6	19.40	British	Shaw, Savill & Albion	477.0	63.0	27.3	Liverpool, England	Auckland, N. Z.	General	7,000	11,005	8,062
Denmark Maru	5	21.40	6	11.10	6	18.35	6	20.00	Japanese	Kawasaki Dockyard Co.	385.0	51.0	22.3	Galveston, Tex.	Kobe, Japan	Cotton, iron rails	4,161	5,926	4,398
Fred W. Weller [1]	6	8.27	6	12.50	6	20.07	6	21.25	American	Standard Oil Co	500.0	68.0	19.0	New York, N. Y.	Los Angeles, Calif.	Ballast		10,928	7,710
Essequibo	6	14.00	7	6.00	7	14.31	7	15.34	British	Pacific Steam Nav. Co.	450.0	57.8	25.8	New York, N. Y.	Talcahuano, Chile	General	3,026	9,158	6,176
Orita	6	13.40	7	6.15	7	14.56	7	16.02	British	Pacific Steam Nav. Co.	485.0	58.0	26.0	Liverpool, England	Valparaiso, Chile	General	5,083	9,936	6,561
V-1 [5]	7	3.45	7	7.05	7	15.51			American	U. S. Navy	342.0	28.0		Key West, Fla.	Balboa, C. Z.				
V-2 [5]	7	3.45	7	7.05	7	15.54			American	U. S. Navy	342.0	28.0		Key West, Fla.	Balboa, C. Z.				
Nemanja	6	17.25	7	7.25	7	15.40	7	16.48	Yugo-Slav	Baburizza & Co	400.0	52.0	14.0	Norfolk, Va.	Antofagasta, Chile	Ballast		5,748	4,056
Witram	6	14.10	7	8.25	7	16.50	7	17.58	German	Nordeutscher Lloyd.	450.0	58.2	25.4	Hamburg, Germany	Los Angeles, Calif.	General	6,712	7,820	5,661
Trojanstar	7	1.40	7	9.20	7	17.04	7	22.50	British	Blue Star Line	470.0	60.4	19.0	London, England	Vancouver, B. C.	Ballast		10,405	7,401
A. L. Kent	7	1.50	7	11.05	7	18.42	8	4.22	American	U.S. Steel Products Co.	394.1	55.1	27.6	New York, N. Y.	Vancouver, B. C.	Steel, general	8,664	7,047	5,030
W. S. Rheem [1]	7	5.55	7	11.00	7	17.40	7	22.30	American	Standard Oil Co.	500.0	68.2	18.0	New York, N. Y.	Los Angeles, Calif.	Ballast		11,224	7,895
American	7	6.30	7	12.10	7	19.30	7	20.25	American	Amer.-Hawaiian Line	404.6	54.0	21.0	Boston, Mass.	Portland, Oreg.	General	4,524	6,789	4,746
Cuyama [1]	6	8.12	8	6.15	8	13.17	8	14.25	American	U. S. Navy	455.0	56.0	20.6	Guantanamo, Cuba	Los Angeles, Calif.	Ballast			
Santa Tecla	7	3.20	8	6.15	8	14.16	8	18.35	American	N. O. & S. A. S. S. Line	298.6	40.0	18.5	New Orleans, La.	Talcahuano, Chile	General	1,851	2,832	1,803
John D. Archbold [1]	7	16.12	8	7.20	8	14.55	8	17.30	American	Standard Oil Co	554.9	75.3	21.4	New York, N. Y.	Los Angeles, Calif.	Ballast		14,785	10,313
Knute Nelson [4]	7	16.40	8	7.10	8	15.10	8	19.30	Norwegian	Fred Olsen & Co	436.0	56.0	17.0	Brevik, Norway	San Francisco, Cal.	General	2,000	8,016	5,854
Buyo Maru	7	17.29	8	8.25	8	16.42	8	18.17	Japanese	Kokusai Kisen Kaisha	400.0	53.0	25.0	Galveston, Tex.	Yokohama, Japan	([13])		5,641	5,931	4,248
Steel Seafarer	8	6.35	8	8.35	8	16.49	8	22.10	American	U.S. Steel Products Co.	424.2	56.2	25.0	New York, N. Y.	Java, D. E. I.	([14])		8,130	7,611	5,454
Saint Jean	6	21.53	8	9.40	8	17.32	8	18.35	French	French Line	397.0	50.1	18.0	Havre, France	Talcahuano, Chile	([15])		796	5,849	4,081
Lena Luckenbach	8	11.25	8	11.45	8	18.22	8	21.11	American	Luckenbach Line	425.0	53.8	24.8	New Orleans, La.	Los Angeles, Calif.	General		7,129	7,217	5,295
Dixie Arrow [1]	7	00.45	8	12.27	8	20.14	8	21.11	American	Standard Transp. Co.	468.3	62.7	17.0	Cristobal, C. Z.	Los Angeles, Calif.	Ballast		9,744	7,140

[10] Launch. [11] Canal Zone No. 3658. [12] Towing barge *No. 28*. [13] Cotton and machinery. [14] Steel, sulphur, ammonia, tin plates, and general. [15] Cement, iron, and general.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Mendocino [1]	1	22.45	2	7.31	2	16.10	2	19.15	Norwegian	Pan-Amer.Pet. & Tr.Co.	425.0	57.0	26.6	Los Angeles, Calif.	Santos, Brazil	Fuel oil	9,000	7,118	5,107
Padilla	2	3.35	2	8.50	2	16.45	10	6.30	Colombian	Colombian S. S. Co	261.0	47.2	12.0	Tumaco, Colombia	Cristobal, C. Z. [16]	General	116	2,206	1,506
K. R. Kingsbury [1]	2	6.00	2	8.54	2	17.20	2	17.20	American	Standard Oil Co.of Cal.	440.0	58.2	31.0	Los Angeles, Calif.	New York, N. Y.	Fuel oil	11,000	9,033	5,938
Balboa [4]	1	20.00	2	10.46	2	19.10	9	6.30	Norwegian	Panama Mail S. S. Co.	232.6	37.7	15.6	San Francisco, Cal.	Cristobal, C. Z.	Coffee, hides	670	1,415	1,024
Ibukisan Maru	2	11.55	2	12.50	2	20.25	3	9.15	Japanese	Mitsui & Co	385.0	51.0	26.6	Portland, Oreg.	Falmouth, Eng. [16]	Wheat	7,150	6,242	4,449
Cyclone [17]			2		2				American	L. B. Carr				Balboa, C. Z.	Cristobal, C. Z.	Ballast			
Steelore	2	23.00	3	5.58	3	15.45	3	15.45	American	Ore S. S. Corp.	550.3	72.2	33.09	Cruz Grande, Chile	Baltimore, Md	Iron ore	20,000	15,551	4,297

[1] Tanker. [16] For orders. [17] Commercial launch.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Watertown [1]	2	9 15	3	7 08	3	16 50	3	16 50	American	Cities Service Trans.Co.	416.9	56.2	27.4	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	11,500	6,717	4,778
Lubrico [1]	3	7.35	3	8.17	3	17 00	3	21 05	American	Standard Oil Co. of Cal.	425.0	57.2	27.6	Los Angeles, Calif	Philadelphia, Pa.	Gasoline	11,180	7,227	4,827
Santa Ana	3	5 00	3	9 02	3	18 05	3	19 35	American	Grace Line	360.2	51.6	24.6	Talcahuano, Chile	New York, N. Y.	General	4,010	5,776	4,081
Tsuyama Maru	2	13 00	3	9.15	3	18 45	3	21 25	Japanese	Nippon Yusen Kaisha	445.0	58.0	19.6	Kobe, Japan	Boston, Mass.	General	6,100	7,956	5,681
Almagro	3	4 50	3	9.38	3	20.15	4	16 20	British	Pacific Steam Nav. Co.	303.4	43.0	13.10	Callao, Peru	New York, N. Y.	(20)	571	2,878	1,714
London Merchant	2	22.15	3	10.19	3	19 55	3	19 55	British	Furness-Pacific Line	450.4	58.1	28.6	Vancouver, B. C.	London, England	General	8,800	8,416	5,914
Herakles	3	8 15	3	10.43	3	22 25	3	23 30	Norwegian	DuPont de Nemours Co.	389.8	54.1	24.5	Iquique, Chile	Charleston, S. C.	Nitrate of soda	8,000	5,680	4,220
Axel Johnson [17]	3	9 45	3	11.11	3	20.00	4	00.50	Swedish	Johnson Line	392.09	52.6	25.6	Vancouver, B. C.	Oslo, Norway	(21)	6,945	6,642	4,859
K. I. Luckenbach	3	16.24	4	6.15	4	13.10	4	13 10	American	Luckenbach Line	446.0	56.17	29.0	Portland, Oreg.	Mobile, Ala.	General	7,752	8,552	6,236
City of Singapore	3	16.44	4	7.06	4	16 05	4	16.05	British	Ellerman-Hall Lines	433.0	57.3	28.2	Otaru, Japan	Hull, England	General	5,543	8,656	6,645
J. L. Luckenbach	4	14.30	4	15.07	4	23.10	4	23.10	American	Luckenbach Line	448.9	60.2	32.4	Portland, Oreg.	Boston, Mass.	General, lumber	9,100	9,294	6,861
Dakotan	4	22.30	5	7 02	5	14.30	5	15 40	American	Amer.-Hawaiian Line	407.7	53.7	26.0	Portland, Oreg.	Boston, Mass.	General	7,002	7,156	5,058
Taimi	5	9 30	5	10 15	5	18.30	6	00 50	British	Shaw, Savill & Albion	477.8	61.0	27.11	Auckland, N. Z.	London, England	General	4,700	10,631	7,606
Saint Joseph	5	12 50	5	13 49	5	22.45	7	15.10	French	French Line	411.0	51.0	26.6	Talcahuano, Chile	Havre, France	General	7,335	5,979	4,170
General G. W. Getty [18]			5	10.26	6				American	U. S. Army	98.0	22.0		Balboa, C. Z.	Gatun, C. Z.	Towing barge			
Turakina	5	15 50	6	6 16	6	14.45	6	14.45	British	N. Z. Shipping Co.	460.50	62.75	26.6	N. Plymouth, N.Z.	Liverpool, England	Frozen, general	7,157	10,618	7,396
Theodore Roosevelt [17]	5	22 35	6	7 25	6	16.40	6	20 45	Norwegian	Fred Olsen & Co.	425.5	55.2	29.6	Vancouver, B. C.	Oslo, Norway	Wheat, barley	9,475	7,593	5,637
E. M. Clark [1]	6	00 30	6	8 59	6	18.35	6	18.35	American	Standard Oil Co. of N. J.	499.2	68.1	30.3	Los Angeles, Calif.	Halifax, N. S.	Crude oil	16,367	11,063	8,033
British Monarch	6	2 35	6	9.15	6	18 15	6	23 50	British	Canadian Transp. Co.	420.6	54.25	26.0	Vancouver, B. C.	United Kingdom	Wheat	8,049	6,716	4,872
Great City	6	6 00	6	10.11	6	18 55	6	20.20	British	Canadian Transp. Co.	420.0	56.9	25.6	Vancouver, B. C.	Boston, Mass.	Lumber	7,600	7,029	5,478
Chetopa	6	9 15	6	12 22	6	21.10	7	1.20	American	Charles Nelson & Co.	324.0	46.2	24.3	Seattle, Wash.	New York, N. Y.	Lumber, copper	5,000	3,984	2,628
Hague Maru	6	00.30	6	11.15	6	19 50	6	19.50	Japanese	Osaka Shosen Kaisha	407.25	50.83	20.4	Keelung, Japan	New York, N. Y.	General	2,970	6,533	4,772
Perene	6	5 15	6	13.49	6	22 50	7	15 35	Peruvian	Peruvian Line	284.1	39.1	19.4	Callao, Peru	New York, N. Y.	General	2,559	2,168	1,529
Dixie Arrow [1]	6	14.27	6	15.04	7	00.45	8	12.27	American	Standard Transp. Co.	468.3	62.7	28.6	Los Angeles, Calif.	Cristobal, C. Z.	Crude oil	12,929	9,744	7,140
Capt. Crowl [19]			6		6				American	U. S. Army				Miraflores, C. Z.	Pedro Miguel, C.Z.	(22)			
Breckenridge [19]			6		6				American	U. S. Army				Miraflores, C. Z.	Pedro Miguel, C.Z.	(22)			
Marore	6	19.30	7	6 10	7	16.30	7	16 30	American	Ore S. S. Corp.	550.3	72.2	34.0	Cruz Grande, Chile	New York, N. Y.	Iron ore	20,000	15,551	4,297
Kari Skogland	6	21.00	7	7 25	7	17.15	7	18.50	Norwegian	T. H. Skogland & Son	376.6	48.7	26.0	Seattle, Wash.	Belfast, Ireland	General	5,798	5,381	3,838
Maine	6	18 00	7	8 13	7	17.40	7	18.00	American	Seas Shipping Co.	402.0	54.2	27.0	Vancouver, B. C.	Avonmouth, Eng.	(23)	7,923	6,936	4,998
Willhilo	7	4 30	7	9 25	7	18 00	7	18.00	American	Williams S. S. Line	434.3	57.7	25.6	Seattle, Wash.	New York, N. Y.	Lumber, general	8,414	7,983	5,882
Queenswood	7	5 45	7	10.13	7	19 55	7	21.26	British	J. Constantine S. S. Co.	370.0	56.35	21.26	Vancouver, B. C.	London, England	Wheat, lumber	6,543	4,973	3,581
Ammon	7	9.15	7	10.41	7	20.18	7	21.55	German	German-Austral Line	438.27	55.33	25.0	Corral, Chile	Atwerp, Belgium	(24)	8,404	7,334	5,221

[1] Tanker. [17] Motor ship. [18] Tug. [19] Launch. [20] Coffee, cocoa, and hides. [21] Wheat, barley, fruit, and coffee. [22] Towing pontoons. [23] Wheat, barley, and general.

[24] Nitrate, copper, ore, etc.

Levant Arrow [1]	7	13.50	8	6.10	8	14.47	8	14.47	American	Standard Transp. Co.	468.3	62.7	28.6	Los Angeles, Calif.	Boston, Mass.	Gasoline	11,300	9,744	7,039
Agnes E. [25]	8	00.05	8	6.29	8	15.00	9	6.10	Panaman	Pacific Fruit Co.	57.8	19.7	7.6	Panama Bay, R. P.	Cristobal, C. Z.	Bananas	9	57	29
Isis [27]	7	21.00	8	7.13	8	16.15	8	17.45	German	United American Line	376.12	51.76	23.11	Vancouver, B. C.	Hamburg, Germany	General	6,154	5,788	4,027
Mexican	7	23.20	8	8.12	8	17.20	8	17.20	American	Amer.-Hawaiian Line	472.3	57.2	28.0	Tacoma, Wash.	Boston, Mass.	General	9,774	9,258	6,874
Yoseric	8	8.57	8	9.40	8	17.45	8	21.20	British	Andrew Weir & Co.	400.0	52.4	24.7	Prince Rupert, B.C.	United Kingdom via Norfolk. [26]	Wheat	7,040	5,786	4,092
L. A. Christensen [27]	8	10.00	8	10.37	8	18.45	8	18.45	Norwegian	So. Alberta Lumber Co.	382.7	53.4	26.0	Vancouver, B. C.	Baltimore, Md.	Lumber, pulp	7,440	6,118	4,245
Montana [1]	8	10.30	8	11.16	8	19.50	8	22.55	Norwegian	Wilhelm Wilhelmsen	425.0	57.0	26.6	Los Angeles, Calif.	Rio Janeiro, Brazil.	Fuel oil	9,000	7,117	5,099
Major Pullen	8		8						American	U. S. Army				Balboa, C. Z.	Pariaiso, C. Z.				

[1] Tanker. [25] Motor schooner. [26] For orders. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

*ARRIVALS.				*DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
January 2	Cartago	United Fruit Co.	New Orleans via Habana.	January 2	Venezuela	Royal Neth. W. I. Mail Co.	Amsterdam via wayports.
January 2	Toloa	United Fruit Co.	Port Limon, Costa Rica.	January 2	Toloa	United Fruit Co.	New York via Habana.
January 2	Thorgerd	Munson S. S. Line	Santa Cruz del Sur, Cuba	January 2	Cartago	United Fruit Co.	Port Limon, Costa Rica.
January 3	Calamares	United Fruit Co.	New York via Habana.	January 2	Macoria	French Line	Havre via wayports.
January 4	Limon	United Fruit Co.	New York via Colombia.	January 2	Kyphissia	Hamburg-American Line	Port Limon, Costa Rica.
January 4	Doric	White Star Line	New York via wayports.	January 3	Thorgerd	Munson S. S. Line	Bluefields, Nicaragua.
January 5	San Benito	United Fruit Co.	Bocas del Toro, R. P.	January 5	San Benito	United Fruit Co.	Boston via wayports.
January 5	Cartago	United Fruit Co.	Port Limon, Costa Rica.	January 5	Cartago	United Fruit Co.	New Orleans via Habana.
January 5	Ancon	Panama Railroad S. S. Line	New York via Haiti.	January 5	Doric	White Star Line	New York via wayports.
January 5	Tivives	United Fruit Co.	New York via Kingston.	January 5	Calamares	United Fruit Co.	Port Limon, Costa Rica.
January 5	Abangarez	United Fruit Co.	New Orleans via Habana.	January 5	Maria Cristina [27]	A. Tagaropulos	Colon, Rep. of Panama.
January 5	Maria Cristina [27]	A. Tagaropulos	Colon, Rep. of Panama.	January 5	Carera	A. Tagaropulos	Colon, Rep. of Panama.
January 5	Carera	A. Tagaropulos	Colon, Rep. of Panama.	January 6	Tivives	United Fruit Co.	Colombian ports.
January 6	Yoro	Mexican-American Fruit Co.	New Orleans, La.	January 6	Santa Marta	United Fruit Co.	New York via Kingston.
January 6	Santa Marta	United Fruit Co.	Santa Marta, Colombia.	January 6	Abangarez	United Fruit Co.	New Orleans and wayports.
January 6	Cibao	United Fruit Co.	Mobile, Ala.	January 7	Yoro	Mexican-American Fruit Co.	San Blas coast, R. P.
January 7	Bienvenido	Welcome S. S. Co.	Guanta, Venezuela.	January 7	Linda S. [27]	Surgeon Brothers	Bluefields, Nicaragua.
January 7	Linda S. [27]	Surgeon Brothers	Colon, Rep. of Panama.	January 8	Cibao	United Fruit Co.	Mobile, Ala.
January 8	Carare	Elders & Fyffes, Ltd.	Avonmouth via wayports.	January 8	Limon	United Fruit Co.	New York via Habana.
January 8	Yoro	Mexican-American Fruit Co.	San Blas coast, R. P.	January 8	Carare	Elders & Fyffes, Ltd.	Bristol via Kingston.
				January 8	Yoro	Mexican-American Fruit Co.	New Orleans, La.
				January 8	Bienvenido	Welcome S. S. Co.	Guanta, Venezuela.

[27] Motor schooner.

PORT OF BALBOA.

January 5	Montebello	Union Oil Co. of California	Los Angeles, Calif.	January 6	Carabobo [28]	Colombian Government	Buenaventura, Colombia.
				January 7	Montebello	Union Oil Co. of California	Los Angeles, Calif.

[28] Revenue cutter.

* Other than ships passing through the Canal.

Tanker Traffic Through the Panama Canal in December, 1926.

During the month of December, 103 tank ships transited the Canal, with an aggregate net tonnage, Panama Canal measurement of 587,370, on which tolls of $516,032.64 were collected. In point of net tonnage, tanker traffic for the past month showed an increase of approximately 4 per cent over the same traffic for the corresponding month a year ago, while cargo tonnage showed a decrease of 0.4 per cent over the cargo tonnage of December, 1925.

Tank ships comprised 20.3 per cent of the total commercial transits of the Canal during the month; made up approximately 27.5 per cent of the total Panama Canal net tonnage; were the source of 25.8 per cent of the total tolls collected; and carried approximately 25.6 per cent of the total cargo in transit through the Canal.

The number, aggregate tonnage, tolls, and cargo of tank ships transiting the Canal during the month of December, 1926, segregated by direction of transit and nationality of vessels, are shown in the following tabulations, with comparative totals for the two preceding months and for December, 1925:

Nationality.	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
British	5	23,075	$18,700.08	7,500
Dutch	1	4,436	4,043.75	6,891
Norwegian	2	11,550	8,316.00	
United States	44	247,852	178,611.06	
Totals, December, 1926	52	285,913	209,670.89	14,391
Totals, November, 1926	44	254,064	182,997.66	
Totals, October, 1926	46	258,496	186,495.81	
Totals, December, 1925	44	254,125	185,259.69	13,537
Pacific to Atlantic.				
British	7	39,279	41,540.00	75,161
Dutch	1	4,317	4,365.00	7,148
Norwegian	2	10,517	11,492.50	20,066
United States	41	246,344	248,964.25	474,402
Totals, December, 1926	51	300,457	306,361.75	576,777
Totals, November, 1926	46	271,068	276,079.53	493,180
Totals, October, 1926	59	331,919	336,060.70	625,880
Totals, December, 1925	52	319,618	324,098.85	580,494

Of the total tanker traffic shown above, the following is a summary of the vessels showing Los Angeles as their port of origin or destination with the totals for the two preceding months and for December, 1925:

	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo
To Los Angeles.				
December, 1926	45	253,416	$182,617.14	
November, 1926	36	204,960	147,571.20	
October, 1926	37	208,076	150,106.41	
December, 1925	35	202,671	146,080.74	
From Los Angeles.				
December, 1926	36	214,249	$219,178.56	416,272
November, 1926	36	208,165	212,845.78	374,234
October, 1926	46	262,811	266,679.45	493,562
December, 1925	43	256,086	267,370.75	483,118

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

Commercial Traffic Through the Panama Canal in December, 1926, by Trade Routes.

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	86	359,130	449,715	576,694	357,915	$380,994.73	222,171
East coast of United States to west coast of South America:							
British	4	10,036	13,411	17,368	10,421	11,657.89	6,389
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	2,019
Norwegian	2	9,312	9,949	13,624	9,353	9,674.40	5,070
Peruvian	3	2,073	2,621	4,437	1,993	3,166.25	2,847
Swedish	2	7,486	8,917	30,676	8,762	6,420.24	.....
United States	12	37,955	45,099	66,064	37,930	37,408.91	16,928
Yugo-Slav	1	2,790	3,412	4,297	2,791	2,456.64	.....
Totals	25	73,164	88,114	143,776	75,226	75,174.33	33,253
East coast of United States to Far East:							
British	6	21,522	31,612	34,757	20,898	26,742.70	40,948
Japanese	6	25,183	28,673	36,147	23,554	31,261.80	38,356
Norwegian	2	4,802	7,754	8,216	4,783	6,002.50	10,397
United States	9	37,522	47,922	56,793	37,503	46,902.50	58,315
Totals	23	89,029	115,961	135,913	86,738	110,909.50	148,016
Europe to west coast of South America:							
British	7	25,024	30,817	40,914	25,202	28,349.28	12,282
Dutch	2	8,927	13,536	14,632	8,927	11,158.75	11,897
French	1	3,315	4,166	5,407	3,309	4,143.75	1,438
German	4	12,924	15,980	21,133	13,014	16,155.00	21,204
Italian	2	6,700	8,283	11,623	6,951	8,375.00	2,836
Norwegian	1	716	800	1,209	723	895.00	1,250
Spanish	2	5,791	7,251	9,390	5,991	6,235.84	406
Totals	19	63,397	80,833	104,308	64,117	75,312.62	51,313
Europe to west coast of Canada:							
British	8	39,198	48,172	60,818	37,856	43,870.00	23,806
Danish	1	4,219	5,317	6,645	4,244	5,273.75	8,431
Dutch	1	4,547	7,056	7,310	4,495	5,683.75	1,582
French	1	3,385	4,936	5,751	3,555	4,231.25	4,572
Italian	1	5,275	5,913	7,061	4,460	6,593.75	1,496
Swedish	1	2,316	4,033	3,877	2,912	2,895.00	3,362
United States	1	4,158	6,655	6,647	4,120	5,197.50	6,207
Totals	14	63,098	82,082	98,109	61,642	73,745.00	49,456
East coast of United States to Australasia:							
British	9	37,271	47,728	55,818	35,219	46,327.50	56,187
Norwegian	3	8,434	13,113	14,117	8,504	10,542.50	21,292
United States	1	3,845	5,181	6,194	3,845	4,806.25	5,632
Totals	13	49,550	66,022	76,129	47,568	61,676.25	83,111
Cristobal, C.Z., to west coast of South America:							
Colombian	2	245	255	386	234	296.85	400
Dutch	3	558	563	721	543	431.50	.....
German	1	823	936	1,424	810	1,028.75	1,049
Norwegian	1	599	685	997	587	748.75	998
Panaman	1	113	124	207	109	141.25	311
Peruvian	1	1,506	2,951	4,744	2,673	1,882.50	1,106
United States	1	5,978	7,995	9,564	5,979	4,756.40	.....
Totals	10	9,822	13,509	18,043	10,935	10,286.00	3,864
Europe to Australasia:							
British	5	34,601	44,670	55,459	34,803	43,251.25	32,023
Dutch	1	3,234	3,749	4,411	2,746	4,042.50	6,300
French	1	4,018	4,097	5,146	3,196	4,999.20	6,000
Totals	7	41,853	52,516	65,016	40,745	52,292.95	44,323

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Europe to west coast of United States:							
British	1	3,736	4,459	6,138	3,838	$3,210.48	
Dutch	1	5,184	5,860	8,365	5,168	6,480.00	1,283
German	1	3,743	5,495	6,121	3,772	4,678.75	4,015
Norwegian	1	5,568	6,451	9,305	5,505	4,644.72	...
United States	1	3,958	4,795	6,341	3,939	3,452.40	...
Totals	5	22,189	27,060	36,270	22,222	22,466.35	5,298
East coast of United States to Gatun Lake, C. Z.:							
Norwegian	4	2,683	2,767	4,809	2,779	3,319.95	...
Cristobal, C.Z., to west coast of Central America:							
British	3	1,866	1,950	3,446	1,858	2,290.30	2,716
Norwegian	1	485	606	855	482	606.25	1,261
Totals	4	2,351	2,556	4,301	2,340	2,896.55	3,977
East coast of Canada to Australasia:							
British	4	13,104	16,503	21,557	13,253	16,380.00	15,049
East coast of Canada to west coast of Canada:							
British	4	11,237	14,854	18,978	11,634	14,046.25	17,416
Foreign vessels in ballast—U. S. intercoastal:							
British	2	5,595	9,318	8,964	5,542	6,510.38	...
Norwegian	1	4,443	5,099	7,031	4,411	3,671.28	...
Totals	3	10,038	14,417	15,995	9,953	10,181.66	...
Around the world:							
British	1	13,130	18,874	27,132	15,352	16,412.50	...
United States	2	12,461	17,004	21,093	12,395	15,576.25	10,109
Totals	3	25,591	35,878	48,225	27,747	31,988.75	10,109
Cristobal, C.Z., to Gatun, C.Z.:							
United States	3	216	216	...	...	233.55	...
East coast of South America to west coast of United States:							
Norwegian	1	2,262	4,014	3,888	2,296	2,827.50	6,012
United States	2	7,671	9,873	12,305	7,676	7,972.98	5,772
Totals	3	9,933	13,887	16,193	9,972	10,800.48	11,784
East coast of South America to Far East:							
Dutch	1	(1)	(1)	(1)	(1)	3,955.00	...
Japanese	1	4,170	5,821	7,267	4,387	5,212.50	4,575
Totals	2	4,170	5,821	7,267	4,387	9,167.50	4,575
West Indies to west coast of South America:							
French	2	7,992	9,296	12,616	7,941	9,990.00	3,110
West Indies to west coast of United States:							
Swedish	1	869	1,574	1,593	1,055	1,086.25	750
United States	1	4,158	4,765	6,666	4,158	3,430.80	...
Totals	2	5,027	6,339	8,259	5,213	4,517.05	750
East coast of United States to west coast of Canada:							
United States	1	4,266	5,536	6,886	4,261	$5,332.50	8,730
West Indies to west coast of Canada:							
French	1	3,349	5,196	5,693	3,499	4,186.25	1,560
West Indies to Far East:							
Norwegian	1	2,313	3,235	3,924	2,336	2,891.25	6,186
Cristobal, C. Z., to west coast United States:							
Panaman	1	1,384	2,606	3,644	2,594	1,730.00	3,086
East coast of Canada to west coast of United States:							
British	1	6,598	7,658	11,309	6,845	5,513.76	...

[1] Dutch cruiser of 7,910 tons displacement.

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
East coast of Canada to west coast South America:							
British	1	1,457	1,570	2,631	1,394	$1,130.40	.....
East coast of South America to west coast of South America:							
Peruvian	1	1,515	2,959	4,617	2,427	1,893.75	420
West Indies to Balboa, C. Z.:							
Dutch	1	3,235	4,436	5,214	3,168	4,043.75	6,891
Paraiso, C. Z., to Balboa, C.Z.:							
German	1	27	26	27	27	20.25	.....
Totals, December, 1926	245	887,718	1,131,568	1,456,403	888,878	1,003,121.38	734,448
Totals, December, 1925	245	921,971	1,169,313	1,492,187	923,009	1,034,320.38	704,170
Totals, December, 1924	193	746,872	949,138	1,207,594	753,881	859,366.81	653,832

PACIFIC TO ATLANTIC.

United States intercoastal:							
United States	81	335,290	424,565	538,086	334,581	$418,571.44	696,643
West coast of Canada to Europe:							
British	15	65,215	85,513	105,854	66,086	81,518.75	119,812
Danish	1	4,257	5,341	6,650	4,247	5,321.25	9,470
French	2	6,447	9,688	10,789	6,444	8,058.75	14,996
German	1	2,620	4,023	4,453	2,621	3,275.00	6,086
Italian	1	4,595	5,280	7,434	4,662	5,743.75	7,993
Japanese	4	16,023	17,899	23,207	15,730	19,652.05	28,342
United States	1	3,465	5,450	5,687	3,450	4,331.25	7,520
Totals	25	102,622	133,194	164,074	103,240	127,900.80	194,219
West coast of South America to east coast United States:							
British	2	6,626	8,644	11,488	6,978	8,282.50	8,336
Chilean	2	6,991	9,377	14,599	7,862	8,738.75	10,046
German	1	689	909	1,314	681	861.25	1,003
Norwegian	2	5,807	7,810	9,506	5,813	5,789.05	6,720
Panaman	1	4,014	4,897	6,386	4,067	5,017.50	9,018
Peruvian	1	3,510	3,544	4,763	3,089	4,252.80	4,312
Swedish	2	7,486	8,917	30,676	8,762	9,357.50	40,000
United States	10	34,923	42,108	58,965	35,179	43,508.05	97,357
Totals	21	70,046	86,206	137,697	72,431	85,807.40	176,792
West coast of United States to Europe:							
British	10	36,229	43,712	58,940	36,268	45,286.25	75,827
Danish	1	5,188	5,663	6,913	5,218	6,485.00	9,930
Dutch	1	3,492	4,317	5,792	3,370	4,365.00	7,148
French	1	4,124	5,454	6,903	4,154	5,155.00	8,079
German	1	2,542	3,533	4,201	2,554	3,177.50	4,830
Japanese	3	13,608	14,146	18,410	13,282	16,720.60	22,988
Norwegian	2	9,194	10,517	15,236	9,123	11,492.50	20,066
United States	2	9,182	12,330	14,835	9,122	11,477.50	20,650
Totals	21	83,559	99,672	131,230	83,091	104,159.35	169,518
West coast of South America to Europe:							
British	6	28,619	35,579	46,245	28,424	35,773.75	45,869
Dutch	2	3,628	5,851	5,978	3,300	4,534.90	8,602
French	2	6,252	8,347	10,128	6,201	7,815.00	14,795
German	5	15,837	20,915	25,938	16,016	19,796.25	36,076
Italian	2	7,290	8,614	12,284	7,275	9,112.50	11,182
Spanish	1	3,017	3,844	5,205	3,226	3,771.25	1,411
Totals	18	64,643	83,150	105,778	64,442	80,803.65	117,935
West coast of Canada to east coast United States:							
British	1	2,761	3,403	4,353	2,816	3,451.25	5,318
Norwegian	2	7,905	9,467	10,519	6,496	9,881.25	15,685
United States	6	19,430	25,382	31,565	19,438	24,287.50	39,139
Totals	9	30,096	38,252	46,437	28,750	37,620.00	60,142

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
West coast of South America to Cristobal, C. Z.:							
Colombian	2	245	255	386	234	$305.25	454
Dutch	1	26	45	189	11	32.40	.....
Norwegian	2	1,084	1,291	1,852	1,069	1,355.00	2,033
Panaman	1	113	124	207	109	141.25	221
Peruvian	1	1,506	2,951	4,744	2,673	1,882.50	1,669
Totals	7	2,974	4,666	7,378	4,096	3,716.40	4,377
Australasia to Europe:							
British	5	30,862	40,618	50,783	31,474	38,577.50	29,940
French	1	2,862	3,269	4,785	2,899	3,577.50	4,857
Totals	6	33,724	43,887	55,568	34,373	42,155.00	34,797
Panama Bay to Gatun Lake, C. Z.:							
Panaman	4	80	116	184	80	100.00	68
Australasia to east coast of United States:							
United States	3	11,703	13,537	17,340	11,688	14,439.45	1,962
Far East to east coast United States:							
Japanese	3	14,197	15,680	19,748	12,867	17,370.95	18,206
West coast of United States to east coast of Canada:							
British	1	6,598	7,658	11,309	6,845	8,247.50	15,297
United States	1	5,891	7,688	9,485	5,899	7,363.75	15,750
Totals	2	12,489	15,346	20,794	12,744	15,611.25	31,047
West coast of Central America to Cristobal, C. Z.:							
British	2	1,252	1,328	2,308	1,256	1,543.90	813
West coast of South America to east coast of Canada:							
British	2	11,947	13,982	20,309	12,213	14,933.75	27,541
West coast of United States to Cristobal, C. Z.:							
United States	2	7,145	9,544	11,538	7,140	8,931.25	16,582
West coast of United States to West Indies:							
British	1	2,763	4,509	4,507	2,766	3,453.75	7,777
United States	1	1,380	1,486	2,361	1,379	1,725.00	2,383
Totals	2	4,143	5,995	6,868	4,145	5,178.75	10,160
Philippine Islands to east coast United States:							
Japanese	1	4,350	5,743	6,995	4,283	5,437.50	5,169
Canadian intercoastal:							
British	1	3,306	4,068	5,492	3,380	4,132.50	6,957
Australasia to east coast of Canada:							
British	1	3,301	4,159	5,497	3,384	4,126.25	1,100
West coast of United States to east coast of South America:							
United States	1	264	287	345	273	330.00	732
Balboa, C.Z., to Cristobal, C.Z.:							
Panaman	1	61	57	89	61	45.75	.....
Gatun Lake, C.Z., to east coast United States:							
Norwegian	[1] 4	[1] 2,683	[1] 2,767	[1] 4,809	[1] 2,779	[1] 3,319.95	1,061
Totals, December, 1926	213	797,192	1,003,434	1,303,755	798,518	992,915.34	1,575,822
Totals, December, 1925	217	863,778	1,088,096	1,396,062	864,144	1,077,576.15	1,654,000
Totals, December, 1924	214	836,061	1,040,058	1,323,335	834,219	1,034,128.23	1,611,855

[1] These 4 vessels entered the Canal at Cristobal and proceeded as far as Gatun Lake, where after taking on cargoes of bananas, they returned to the Atlantic entrance of the Canal. As vessels transiting the Canal as far as Gatun Lake only are entitled to return to Canal port of entry without payment of tolls for return voyage, the only items taken up in connection with these transits in the Pacific-to-Atlantic traffic statistics is the amount of cargo tonnage.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending January 8, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Gera	Kosmos Line	.....	January 1	.....	175
Corinto	Panama Mail S. S. Co	.....	January 1	.....	2,342
Manchioneal	United Fruit Co	.....	January 1	.....	336
Granada	Standard Fruit S. S. Co	.....	January 1	.....	408
Macoris	French Line	.....	January 2	.....	1,114
Venezuela	Royal Netherlands W. I. Mail	January 1	January 2	(1)	539
Kyphissia	Hamburg-American Line	January 1	January 2	130	1,063
Orbita	Pacific Steam Navigation Co	January 1	January 2	4	117
Toloa	United Fruit Co	January 2	January 2	22	(3)
Benefactor	T. and J. Harrison	January 2	January 4	750	(2)
Padilla	Colombian S. S. Co	January 2	.....	116	.....
Balboa	Panama Mail S. S. Co	January 2	January 8	750	1,921
Cartago	United Fruit Co	January 2	January 2	218	181
Almagro	Pacific Steam Navigation Co	January 3	January 4	304	439
Haarlem	Royal Netherlands W. I. Mail	January 3	January 4	324	123½
Axel Johnson	Johnson Line	January 3	January 4	(1)	188
Tsuyama Maru	Nippon Yusen Kaisha	January 3	January 3	59	(2)
Calamares	United Fruit Co	January 3	January 5	197	20
Limon	United Fruit Co	January 4	January 8	6	193
San Benito	United Fruit Co	January 5	January 5	90	(2)
Saint Joseph	French Line	January 5	January 7	691	243
Cartago	United Fruit Co	January 5	January 5	½	280
Ancon	Panama Railroad S. S. Line	January 5	.....	4,450	.....
Tivives	United Fruit Co	January 5	January 6	267	361
Abangarez	United Fruit Co	January 5	January 6	735	56
Dixie Arrow	Standard Transportation Co	January 6	January 8	12,929	.....
Santa Marta	United Fruit Co	January 6	January 6	(1)	7½
Witram	Hamburg-American Line	January 6	January 7	(1)	179
Yoro	Standard Fruit S. S. Co	January 6	January 7	245	17½
Orita	Pacific Steam Navigation Co	January 6	January 7	159	(2)
Essequibo	Pacific Steam Navigation Co	January 6	January 7	127	189
Saint Jean	French Line	January 6	January 8	242	315
Santa Tecla	N. O. & S. A. S. S. Line	January 7	January 8	124	29
Knute Nelson	Norway-Pacific Line	January 7	January 8	90	113
Bienvenido	Welcome S. S. Co	January 7	January 8	130	(2)
Linda S	R. Feuillebois	January 7	January 7	(1)	37½
Yoro	Standard Fruit S. S. Co	January 8	January 8	5½	276
Carare	Elders & Fyffes, Ltd	January 8	January 8	66	(2)
Glamorganshire	Pacific Steam Navigation Co	January 8	.....	361	.....

[1] No cargo discharged. [2] No cargo laded. [3] 500 pounds.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Two Weeks Ending January 8, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
S. A. Perkins	James Griffiths & Sons	December 8	December 23	(1)	4,067
Talaralite	Imperial Oil Co	December 26	December 26	(3)	10
Urubamba	Peruvian Line	December 27	December 30	(3)	1,097
Chateau Thierry	U. S. Government	December 28	December 29	438	21
Ecuador	Panama Mail S. S. Co	December 29	December 29	63	4
Colombia	Panama Mail S. S. Co	December 29	December 30	189	1
Santa Luisa	Grace Line	December 30	December 30	3	(2)
President Monroe	Dollar Line	December 31	December 31	(3)	31
Tsuyama Maru	Nippon Yusen Kaisha	January 2	January 3	70	(2)
Kenowis	U. S. Government	January 4	In port	2,738	(2)
Leme	Nav. Libera-Triestina	January 3	January 3	616	(2)
Acasta	Anglo-Saxon Petroleum Co	January 5	January 7	7,500	(2)
Montebello	Union Oil Co. of California	January 5	January 6	11,428	8
Hague Maru	Osaka Shosen Kaisha	January 6	January 7	57	(2)
Perene	Peruvian Line	January 6	January 6	84	(2)
Santa Tecla	N. O. & S. A. S. S. Co	January 8	January 8	(3)	7

[1] Cargo discharged reported in issue of Dec. 12, 1926. [2] No cargo laded. [3] No cargo discharged.

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines, and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Service of Floating Cranes "Ajax" and "Hercules."

THE PANAMA CANAL, DEPT. OF OPERATION AND MAINTENANCE,
BALBOA HEIGHTS, C. Z., *January 11, 1927.*

TO ALL STEAMSHIP OWNERS AND STEAMSHIP AGENTS:

1. Owing to the fact that it is often necessary to prepare special equipment for unloading barges and other heavy freight at Paraiso by means of the floating cranes U. S. *Ajax* and U. S. *Hercules*, it is requested that at least 4 days' advance notice be given of the arrival of a ship requiring such service. In addition to the date, information should also be given as to character of freight, weight, dimensions, etc.

2. The above information should be furnished the Marine Superintendent, who will transmit it to the division or divisions concerned.

JOHN DOWNES,
Marine Superintendent.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity ..... .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton ..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent o. $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

Postal and Cable Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective November 30, 1926:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.23
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.44
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.16
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.14
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.14
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.18
Waste, cotton, white	Lb.	.21

Location of Patients and Visiting Hours, at Ancon Hospital.

The following table shows the distribution of patients in the Ancon hospital buildings and the visiting hours for the various wards and sections:

Section and Ward.	Visiting Hours.
Section "B:"	
Ward 5, Male, private rooms, American boys	Daily 9.30 to 11 a. m.; 2.00 to 4.30 p. m.; 6.30 to 8.00 p. m.
Ward 6, Foreign, male and female, private rooms, American girls	(No visitors permitted in nursery.)
Ward 7, White female, private rooms	
Ward 8, Obstetrical department, white females (Nursery)	
Section "C:"	
Ward 9, White foreign, male	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p. m.
Ward 11, Colored, male, surgical	
Ward 12, Colored, male, medical, eye and ear	
Ward 13, Colored, male, G. U	
Ward 14, American, male, G. U	
tion "D:"	
Ward 15, American, male, surgical	Tuesdays, Thursdays, and Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m.
Ward 16, American, male, medical, eye and ear	Sundays and holidays, 9.30 to 11 a. m.; 2.30 to 4.30 p. m.
Ward 17, Colored children	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 18, White children	Daily 9.30 to 11 a. m.; 2 to 4 p. m.
Ward 19, Colored, female, medical	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 20, Colored, female, surgical, obstetrical	
Isolation	No visitors permitted except to visit tuberculosis patients, Thursdays, Sundays, and holidays, 1.30 to 3 p. m.

Permission to visit outside of visiting hours will be granted upon application to the Superintendent's Office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

Binders for The Panama Canal Record.

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD, are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

Hours of Departure of Passenger Trains.

Following are the hours of departure of the passenger trains of the Panama Railroad running between the Atlantic and the Pacific:

From Colon: 9.10 a. m., 12.15 p. m., 4 p. m.

From Panama: 7 a. m., 12.15 p. m., 6.10 p. m.

The trains leaving at 12.15 p. m. do not run on Sundays and holidays; the others are daily.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

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Entered as second-class matter February 6, 1918, at the Post Office at Cristobal, C. Z., under the Act of March 3, 1879.

Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., January 19, 1927. No. 24.

Panama Canal Traffic During Calendar Year 1926, Segregated by Nationality of Vessels.

Vessels of 24 nationalities made up the total commercial traffic through the Panama Canal during the calendar year 1926. Approximately one-half of the total commercial transits were vessels of the United States, one-fourth vessels of Great Britain, and the remaining one-fourth were distributed among the remaining 22 nationalities.

The following tabulation shows the total commercial traffic through the Canal during the calendar year 1926, segregated according to the nationality of the vessels. A similar table for the calendar year 1925, was published in THE PANAMA CANAL RECORD of May 5, 1926:

Nationality.	No. of transits.	TONNAGE.				Tolls.	Tons or cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
Argentinian	1	(1)	(1)	(1)	(1)	$1,200.00	.....
Belgian	22	78,967	94,478	123,869	77,979	91,161.20	109,531
British	1,382	5,445,135	6,979,798	8,817,278	5,469,792	6,530,583.92	6,932,287
Chilean	28	95,785	127,959	198,654	107,539	119,617.35	90,725
Colombian	44	8,479	9,408	13,552	7,996	10,375.68	10,429
Danish	64	189,239	241,132	290,627	186,562	227,365.56	305,731
Danzig	26	138,638	172,278	222,796	127,337	150,666.72	159,599
Dutch	102	410,249	546,824	663,866	407,769	513,606.14	549,721
Ecuadorian	2	146	146	442	156	109.50	.....
Finnish	1	1,893	1,889	2,039	1,880	2,266.80	3,100
French	105	386,648	487,106	627,328	385,203	472,799.32	469,678
German	180	532,315	732,063	867,237	530,600	663,766.89	900,426
Greek	4	12,756	15,894	20,738	12,932	14,811.34	21,411
Honduran	16	16,785	22,781	27,815	16,756	20,521.10	4,798
Italian	84	316,490	372,577	505,511	308,261	392,307.82	340,385
Japanese	137	587,174	681,852	866,431	569,558	719,653.40	802,189
Mexican	2	3,258	4,184	5,766	4,075	4,072.50	3,209
Norwegian	301	688,847	913,057	1,112,187	681,193	811,868.17	1,065,839
Panaman	85	54,335	89,260	117,163	74,904	67,496.19	72,808
Peruvian	55	87,585	131,693	196,367	107,488	109,589.60	102,907
Spanish	27	83,950	104,144	143,891	87,650	103,934.59	38,108
Swedish	99	289,326	393,930	817,423	347,262	331,351.38	646,741
United States	2,638	10,778,349	13,653,338	17,329,229	10,769,786	12,483,253.23	14,854,768
Yugo-Slavic	15	48,154	60,450	74,065	47,113	59,161.64	101,661
Totals, 1926	5,420	20,254,503	25,836,241	33,044,274	20,329,791	23,901,540.04	27,586,051
Totals, 1925	4,774	18,141,695	22,958,158	29,368,840	18,228,704	21,380,759.70	23,701,227
Totals, 1924	4,893	19,414,771	24,411,760	31,127,724	19,440,024	22,809,416.34	25,892,134
Totals, 1923	5,037	19,979,628	24,737,437	31,658,095	19,931,570	22,966,838.18	25,160,545

[1] Displacement tonnage.

RELATION SHOWN BY PERCENTAGE.

The proportions of the traffic by vessels of various nationalities are indicated in the following tabulation in which percentages of the total traffic are shown instead of the actual figures, for the calendar years 1925 and 1926. In this table, percentages are shown only for those nationalities having 50 or more transits during either 1925 or 1926:

Nationality.	No. of vessels.		TONNAGE. United States equivalent.		Panama Canal net.		Registered. Gross.		Registered. Net.		Tolls.		Tons of cargo.	
	1925.	1926.	1925.	1926.	1925.	1926.	1925.	1926.	1925.	1926.	1925.	1926.	1925.	1926.
United States	47.2	48.7	51.5	53.2	50.9	52.8	50.9	52.4	51.3	53.0	50.4	52.2	53.5	53.8
British	27.2	25.5	27.7	26.9	27.9	27.0	27.6	26.7	27.6	26.9	28.3	27.3	25.2	25.1
Norwegian	4.9	5.6	3.5	3.4	3.6	3.5	3.5	3.4	3.5	3.4	3.4	3.4	3.7	3.9
German	3.4	3.3	2.9	2.6	3.2	2.8	2.9	2.6	2.9	2.6	3.1	2.8	3.6	3.3
Japanese	3.1	2.5	3.4	2.9	3.2	2.6	3.2	2.6	3.3	2.8	3.4	3.0	3.2	3.0
French	2.1	1.9	2.1	1.9	2.0	1.9	2.1	1.9	2.1	1.9	2.2	2.0	1.8	1.7
Dutch	1.9	1.9	2.1	2.0	2.2	2.1	2.1	2.0	2.1	2.0	2.2	2.2	2.3	2.0
Swedish	1.4	1.8	1.2	1.4	1.3	1.5	1.8	2.5	1.3	1.7	1.2	1.4	1.9	2.3
Panaman	1.1	1.6	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
Italian	1.6	1.5	1.6	1.6	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.1	1.2
Danish	1.1	1.2	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.9	0.6	1.1	1.1
Peruvian	1.3	1.0	0.5	0.4	0.7	0.5	0.8	0.6	0.7	0.5	0.5	0.5	0.3	0.4
All others	3.7	3.5	2.4	2.5	2.4	2.7	2.4	2.5	2.5	2.4	2.5	2.7	2.0	1.9
Totals	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

During the past two calendar years over 91 per cent of the total commercial transits of the Canal were vessels of 8 nationalities and these vessels carried over 95 per cent of the total cargo in transit through the Canal. These nationalities were, in the order of number of their transits during the calendar year 1926, United States, British, Norwegian, German, Japanese, French, Dutch, and Swedish. With the exception of a decrease of 12 transits for Japanese, and 1,323 long tons of cargo for Dutch vessels, all of these nationalities show considerable increases in both transits and cargo in 1926, as compared with 1925. The actual figures are given in the following tabulation:

Nationality.	Total transits.		Total tons of cargo.		Increase.	
	1925.	1926.	1925.	1926.	Transits.	Cargo.
United States	2,552	2,638	12,677,974	14,854,768	86	2,176,794
British	1,301	1,382	5,976,028	6,932,287	81	956,259
Norwegian	235	301	831,346	1,065,839	66	234,483
German	162	180	854,742	900,426	18	45,684
Japanese	149	137	749,200	802,189	[1] 12	52,989
French	101	105	431,087	469,678	4	38,591
Dutch	92	102	551,044	549,721	10	[1] 1,323
Swedish	67	99	458,559	646,741	32	188,182

[1] Decrease.

As regards total commercial transits and total tons of cargo in transit the calendar year 1926 was the largest in the history of the Panama Canal to date. Hence for some of the nationalities the percentage of the total traffic declined in 1926, as compared with 1925, in the face of a gain in absolute quantities.

Sale of Power Plant Equipment.

The Panama Canal offers for sale the equipment installed in the Miraflores steam auxiliary power plant.

Sealed proposals will be received at the offices of the General Purchasing Officer, The Panama Canal, Washington, D. C., and the Chief Quartermaster, The Panama Canal, Balboa Heights, Canal Zone, not later than 10.30 o clock a. m., on the 8th day of April, 1927, at which time they will be opened in public, for the purchase of the above-mentioned equipment. Forms of proposal, Circular No. 1778, with full particulars, may be had upon application to the offices mentioned above.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

Panama Canal Records.

A statement of various records made by traffic through the Panama Canal at different times was published in THE PANAMA CANAL RECORD of December 31, 1924. Since that time several new records have been established and a revised statement is accordingly given below:

COMMERCIAL VESSELS.

Feature.	Record.	Vessel.	Date of transit.
Length	677 feet 5 inches	Empress of Scotland	April 2, 1926.
Beam	78 feet	Belgenland	December 12, 1924.
Draft	35 feet 6 inches	Lebore	July 23, 1925.
Tonnage:			
Registered gross	27,132 tons	Belgenland	December 12, 1924.
Registered net	15,352 tons	Belgenland	December 12, 1924.
Panama Canal net	18,999 tons	Empress of Scotland	April 2, 1926.
United States net	13,769 tons	Empress of Scotland	April 2, 1926.
Tolls	$17,211.25	Empress of Scot'and	April 2, 1926.
Cargo	22,000 tons crude oil.	William Rockefeller	October 27, 1922.

(NOTE.—The *Belgenland* has made two transits since December 12, 1924, viz., in December, 1925, and December, 1926.)

NAVAL VESSELS.

Feature.	Record.	Vessel.	Date of transit.
Length	870 feet 7 inches	H. M. S. Hood	July 23 and 24, 1924.
Beam	105 feet 2½ inches	H. M. S. Hood	July 23 and 24, 1924.
Draft	33 feet 1 inch	U. S. S. Colorado	March 10, 1926.
Tonnage	44,700 tons displacement.	H. M. S. Hood	July 23 and 24, 1924.
Tolls	$22,399.50	H. M. S. Hood	July 23 and 24, 1924.

Largest year's commercial traffic:
- Number of transits, 5,420, calendar year 1926.
- Panama Canal net tonnage, 26,148,878 tons, fiscal year 1924.
- Tolls, $24,290,963.54, fiscal year 1924.
- Cargo, 27,586,051 tons, calendar year 1926.

Largest month's commercial traffic:
- Number of transits, 506, December, 1923, and again in March, 1926.
- Panama Canal net tonnage, 2,516,491 tons, December, 1923.
- Tolls, $2,335,729.81, December, 1923.
- Cargo, 2,607,046 tons, March, 1926.

Largest day's commercial traffic:
- Number of transits, 29, December, 29, 1926.
- Panama Canal net tonnage, 146,184 tons, December 29, 1926.
- Tolls, $136,604.77, May 25, 1923.
- Cargo, 163,202 tons, January 14, 1924.

Largest number of transits in any one day:
- Thirty-five Government and 22 commercial vessels, a total of 57 vessels, January 17, 1924.

Smallest day's commercial traffic occurred on November 18, 1924, on which the number of transits was 2; Panama Canal net tonnage, 2,870; tolls, $2,865.00; and cargo, 2,809 tons.

In the above, the term "commercial traffic" is used to include all craft subject to the payment of tolls, exclusive of small vessels under 20 tons. It also excludes public vessels in the service of the Governments of the United States, Panama, and Colombia, which are allowed free transit.

The lowest pro rata cost of tolls per ton of cargo carried through the Canal on a commercial vessel is $0.2186 per ton, which occurred with the transits of the Swedish motor ship *Amerikaland*, on September 6, 1926, and October 26, 1926, carrying cargoes of iron ore from Cruz Grande, Chile, to Baltimore, Md. On both transits the *Amerikaland* carried 21,400 tons of cargo and paid tolls of $4,678.75.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, January 15, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Balboa [2]	2	19.10	9	6.30	9	15.50	10	2.00	Norwegian	Lars Thorsen	232.0	37.0	16.9	Cristobal, C. Z.	Salina Cruz, Mex.	General	1,780	1,415	1,024
Agnes E. [3]	8	19.00	9	6.10	9	14.09	9	14.48	Panaman	Pacific Fruit Co	58.0	20.0	7.0	Cristobal, C. Z.	Balboa, C. Z.	Ballast		57	29
Cape Cod [1]	8	18.15	9	6.30	9	15.31	9	16.50	American	Pure Oil S. S. Co	437.0	57.0	19.0	Texas City, Texas	Los Angeles, Calif.	Ballast		7,218	5,184
Rimutaka	8	18.55	9	7.10	9	16.27	10	00.24	British	N. Z. Shipping Co	457.0	58.0	29.0	London, England	Wellington, N. Z	General	5,750	9,201	6,961
Lubrafol [2] [1]	8	23.10	9	7.20	9	16.45	9	20.32	Belgian	Soc. Anonyme D'Industrie Comm.	457.0	57.0	20.0	Rouen, France	San Francisco, Cal	Ballast		7,615	4,976
Francis E. Powell [1]	9	4.10	9	8.20	9	17.21	10	14.54	American	Atlantic Refining Co	431.0	59.2	20.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,860	5,101
Calvert [1]	8	19.05	9	8.30	9	19.30			Venezuelan	Venezuela Gulf Oil Co	99.0	21.0	9.0	Maracaibo, Ven'ela	Balboa, C. Z.	Ballast			
Susquehanna [5]	8	19.05	9	8.30	9	19.30			Venezuelan	Venezuela Gulf Oil Co.	241.5	41.3	10.0	Maracaibo Ven'ela	Balboa, C. Z.	(8)			
Swan [6]			9	9.35	9	17.28			American	U. S. Navy	180.0	35.6		Cristobal, C. Z.	Balboa, C. Z.	(9)			
Cubore [2]	7	21.53	9	9.55	9	17.30	10	00.47	American	Ore S. S. Corp	450.7	57.0	17.6	Norfolk, Va.	Cruz Grande Chile	Ballast		7,956	4,866
Lumina [1]	9	9.00	9	10.40	9	18.30	10	00.05	British	H. E. Moss & Co	407.6	52.3	16.0	Newcastle, England	Los Angeles, Calif.	Ballast		5,940	4,108
Glamorganshire	8	17.20	9	12.42	9	20.00	9	21.05	British	Royal Mail S. P. Co	460.9	58.0	15.3	Rotterdam, Holland	Seattle, Wash.	General	1,497	8,229	5,982
Padilla	2	16.45	10	6.30	10	15.18	10	17.40	Colombian	Colombian S. S. Co	247.0	43.5	16.0	Cristobal, C. Z.	Buenaventura, Col.	General	1,849	2,206	1,506
Mobile City	10	5.05	10	6.40	10	14.33	10	19.38	American	Isthmian S. S. Lines	395.5	55.0	27.2	Mobile, Ala.	Chinwangtoo, China	General	8,217	7,330	5,241
Makalla	10	6.55	10	8.05	10	16.11	10	17.40	British	T. & J. Brocklebank	444.0	58.3	22.11	New York, N. Y.	Fremantle, Aust	General	5,912	7,445	4,910
Surailco	10	6.05	10	10.05	10	17.44	10	20.48	American	Transmarine Lines	324.0	46.2	23.3	Newark, N. J.	San Francisco, Cal.	General	3,750	3,984	2,628
Algonquin [2]	9	17.50	10	10.30	10	17.12	10	18.20	American	Standard Transp. Co	435.0	56.0	20.10	New York, N. Y.	Los Angeles, Calif.	Ballast		7,602	5,337
Bolton Castle	10	4.40	10	11.00	10	18.52	10	20.02	British	Lancashire Ship. Co	424.0	53.0	26.10	New York, N. Y.	Haiphong, China	General	7,000	6,537	4,837
Montana	9	16.27	10	11.35	10	19.40	10	20.48	French	French Line	429.0	50.6	24.6	Antwerp, Belgium	Vancouver, B. C.	General	4,076	6,497	4,317
Sidney M. Hauptman	10	13.10	10	13.35	10	20.32	10	21.40	American	Munson, McCor'k Line	401.0	53.2	26.0	New York, N. Y.	Los Angeles, Calif.	General	8,123	7,082	5,167
Pacific Shipper [2]	9	22.25	11	6.10	11	13.49	11	18.50	British	Furness, Withy & Co	420.0	58.0	18.9	Manchester, Eng'nd	Vancouver, B. C.	General, bananas	2,586	7,892	5,858
E. L. Russell [4]	10	9.10	11	6.40	11	16.16			Venezuelan	Venezuela Gulf Oil Co.	108.9	22.6	7.0	Maracaibo, Ven'ela	Balboa C. Z.	(10)			
Juniata [2]	10	9.10	11	6.40	11	16.16			Venezuelan	Venezuela Gulf Oil Co.	244.0	42.0	10.0	Maracaibo, Ven'e'a.	Balboa, C. Z.	Ballast			
Delphinula [1]	10	13.00	11	7.15	11	15.00	12	7.30	British	British Government	385.0	50.5	24.6	Pt. of Spain, Trin.	Marquesas Island	Fuel oil	6,279	5,104	3,521
Scalaria [1]	10	16.05	11	7.30	11	14.42	11	20.04	British	Anglo-Saxon Pet. Co	411.5	53.4	17.0	Liverpool, England	Los Angeles, Calif.	Ballast		6,118	4,306
Royal Arrow [1]	10	23.40	11	8.30	11	16.26	11	17.30	American	Standard Transp. Co	467.6	62.7	17.0	New York, N. Y.	Los Angeles, Calif.	Ballast		9,699	6,895
William Perkins	11	8.10	11	8.55	11	17.02	11	18.10	American	Eureka Lumber Mills	409.8	54.2	16.6	Newport News, Va.	San Francisco, Cal	Leaf tobacco,	712	6,757	4,919
Barker No. 213 [7]	11	6.45	11	11.06	11	17.15	11	19.37	American	U. S. Navy	310.0	30.0	12.3	Bluefie'ds, Nic'gua.	Corinto, Nic'gua.				
Andromede	11	6.18	11	11.40	11	18.54	11	20.04	French	Messageries Maritimes	470.0	57.0	21.2	Dunkirk, France	Noumea, N. Caled.	General	2,955	7,984	5,472
Canadian Constructor	10	22.10	11	12.30	11	19.34	11	20.40	British	Can. Gov. Mer. Marine	445.4	56.0	24.8	Halifax N. S.	Brisbane, Australia	General	3,670	7,680	5,494
Virginian	11	12.47	11	13.10	11	20.29	11	21.38	American	Amer.-Hawaiian Line	491.5	58.2	24.0	Boston, Mass.	Tacoma, Wash.	General	4,000	10,499	7,546
Lautaro [2]	10	21.25	11	13.45	11	21.20	14	18.05	British	Pacific Steam Nav. Co	399.1	52.0	20.1	Glasgow, England	Corral, Chile	General	3,587	6,759	4,840
Larchbank [2]	11	13.45	11	14.05	11	22.24	11	23.25	British	Andrew Weir & Co	419.6	53.9	22.0	Baltimore, Md.	Shanghai, China	General	6,241	7,093	4,994
Canada [2]	11	15.20	12	6.23	12	13.57	12	18.10	Swedish	Johnson Line	440.0	56.0	24.0	London, England	San Francisco, Cal.	General	7,512	7,476	5,456
Chilcop	11	22.40	12	6.30	12	14.10	12	20.09	British	Chile S. S. Co	411.0	54.0	21.0	New York, N. Y.	Chanaral, Chile	Machinery	5,139	6,634	5,008

[1] Tanker. [2] Motor ship. [3] Motor schooner. [4] Tug. [5] Barge. [6] Mine sweeper. [7] Destroyer. [8] Towed by *Calvert*. [9] Towing barge *No. 2*. [10] Towing *Juniata*.

Cincinnati [11]	12	6.45	12	7.55	12	14.35	12	19.26	American	U. S. Navy	550.9	55.0	17.0	Bluefields, Nic'gua.	Corinto, Nic'gua	.....	.....	.....	.....	.....
Narenta	12	7.00	12	7.45	12	15.07	12	21.56	British	Royal Mail S. P. Co.	450.0	58.0	16.0	Hamburg, Germany	Vancouver, B. C.	Ballast	.....	8,856	6,559
Cheniston	11	23.45	12	8.50	12	16.45	12	18.00	British	Andrew Weir & Co.	390.0	50.0	25.6	Tampa, Fla.	Sydney, N. S. W.	Phosphate	6,632	5,363	3,704
Crenatula [1]	10	14.10	12	9.35	12	17.14	12	18.10	British	Anglo-Saxon Pet. Co.	400.0	52.2	16.10	Curacao, D. W. I.	Los Angeles, Calif.	Ballast	.....	6,021	4,180
Robert Luckenbach	12	5.55	12	11.16	12	17.34	12	18.30	American	Luckenbach Line	445.0	58.0	23.3	Philadelphia, Pa.	Seattle, Wash.	General	6,569	8,695	6,375
Sangstad [2]	12	12.25	12	12.45	12	18.37	12	19.26	Norwegian	Fern Line	382.7	53.4	21.9	Houston, Tex.	Yokohama, Japan	Cotton	4,130	6,109	4,240
Santa Teresa	12	13.25	13	6.10	13	12.50	13	16.45	American	Grace Line	360.2	51.6	22.3	New York, N. Y.	Talcahuano, Chile	General	1,979½	5,726	4,086
Rapot	10	19.05	13	7.25	13	14.31	13	18.28	German	Roland Line	393.0	54.0	20.10	Hamburg, Germany	Valparaiso, Chile	General	5,389	6,583	4,626
Point Bonita	12	15.03	13	8.15	13	16.52	13	17.55	American	Swayne & Hoyt	324.0	46.2	21.6	Houston, Tex.	Seattle, Wash.	General	3,605	3,984	2,617
Montrolite [2] [1]	13	2.00	13	9.40	13	17.42	13	22.46	British	Imperial Oil Co., Ltd.	510.9	68.3	23.0	Halifax, N. S.	Los Angeles, Calif.	Ballast	.....	11,555	7,678
City of Evansville	12	22.15	13	11.00	13	18.46	13	20.00	British	Ellerman Lines, Ltd.	451.0	57.3	25.10	New York, N. Y.	Brisbane, Australia	General	5,791	8,627	6,644
Otarama	13	7.05	13	12.25	13	19.32	13	20.40	British	N. Z. Shipping Co.	454.0	56.0	26.4	Liverpool, England	Auckland, N. Z.	General	4,566	7,968	5,096
Tut [12]	.....	.....	13	.....	13	13.06	.....	.....	American	J. J. Burton	.....	.....	.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....	.....	.....
Major Pullen [12]	.....	.....	13	.....	13	9.25	.....	.....	American	U. S. Army	.....	.....	.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....	.....	.....
Baron Loudoun	13	16.27	14	6.20	14	13.42	14	15.10	British	H. Hogarth & Sons	336.0	48.5	13.0	Charleston, N. C.	Paita, Peru	Ballast	.....	3,697	2,597
City of Halifax	13	17.03	14	7.30	14	14.47	14	16.25	British	Ellerman & Bucknall	400.0	52.3	22.0	Newport News, Va.	Sydney, Australia	General	4,221	5,672	4,042
George Washington [2]	14	10.20	14	10.40	14	17.49	14	21.25	Norwegian	Norway-Pacific Line	444.0	55.3	25.6	Oslo, Norway	Vancouver, B. C.	General	7,500	7,595	5,627
Cali	10	22.00	14	11.10	14	18.45	14	20.45	German	Roland Line	216.6	32.9	14.6	Cristobal, C. Z.	Buenaventura, Col.	General	500	1,105	698
Charles H. Cramp	14	11.18	14	12.10	14	19.31	14	24.00	American	Argonaut S. S. Co.	404.0	53.9	26.0	Baltimore, Md.	Vancouver, B. C.	General	7,759	6,755	4,750
Calliope [2] [1]	14	10.05	14	12.55	14	20.18	14	22.51	Danzig	Standard Oil Co.	470.2	63.2	20.0	Nyborg, Denmark	Los Angeles, Calif.	Ballast	.....	9,001	5,927
Mayebashi Maru	14	13.55	14	14.00	14	21.08	14	22.16	Japanese	Nippon Yusen Kaisha	445.0	58.0	26.6	New York, N. Y.	Yokohama, Japan	Cotton, general	8,044	8,012	5,749
Cauca [2]	10	18.40	15	6.05	15	13.18	16	7.45	Colombian	National Navigation Co.	107.0	22.0	8.0	Cristobal, C. Z.	Buenaventura, Col.	General	363	238	163
Laurel	14	21.25	15	7.15	15	14.10	15	15.15	American	Columbia-Pac. Ship. Co	410.5	54.0	20.0	Philadelphia, Pa.	Portland, Oreg.	General	4,735	6,756	4,874
Margaret Dollar	15	3.00	15	8.30	15	16.10	15	17.15	American	Dollar Line	429.0	55.6	23.3	Norfolk, Va.	San Francisco, Cal	General	5,038	7,579	5,527
Acajutla	9	16.25	15	9.45	15	16.32	15	17.35	British	Pacific Steam Nav. Co.	215.0	33.0	16.10	Cristobal, C. Z.	Champerico, Guat	General	1,210	1,273	706
Kofuku Maru	15	11.18	15	11.30	15	18.01	15	19.23	Japanese	Kokusai Kisen Kaisha	385.0	51.0	23.0	New York, N. Y.	Yokohama, Japan	General	5,472	6,209	4,763
Steel Exporter	15	11.25	15	11.40	15	19.12	15	23.15	American	Isthmian S. S. Lines	424.0	56.0	25.10	Baltimore, Md.	Honolulu, T. H.	([13])	8,401	7,611	5,450

[1] Tanker. [11] Cruiser. [12] Launch. [13] Steel products and general.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Sunbeam [1]	8	11.00	9	5.56	9	14.30	9	14.30	American	Sun Oil Co	429.3	59.2	25.8	Los Angeles, Calif.	Jacksonville, Fla.	Gasoline	9,593	7,709	5,481
Emidio [1]	9	2.30	9	7.09	9	16.05	9	16.05	American	General Petroleum Co.	455.0	56.2	29.0	Los Angeles, Calif.	Baltimore, Md.	Gasoline	8,900	7,433	5,053
Amerikaland [2]	9	7.45	9	8.15	9	17.45	9	18.35	Swedish	Ore S. S. Corp.	561.0	72.2	33.6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	21,000	15,556	4,496
Acajutla	8	16.00	9	8.44	9	16.25	15	9.45	British	Pacific Steam Nav. Co.	215.7	33.5	14.9	Champerico, Guat.	Cristobal, C. Z.	General	732	1,273	706
Dinteldijk	8	20.00	9	9.15	9	18.10	9	20.35	Dutch	Holland-American Line	485.6	62.3	29.6	Victoria, B. C.	Rotterdam, Holland	Wheat, general	9,554	10,786	7,551
El Grillo [1]	8	21.00	9	9.38	9	19.05	9	20.05	British	C. T. Bowring	440.0	57.5	27.0	Lobitos, Peru	New York, N. Y.	Crude oil	9,664	7,468	5,043
Melville Dollar	9	1.00	9	10.05	9	19.15	9	19.15	American	Dollar Line	429.0	55.2	28.8	Seattle, Wash.	New York, N. Y.	Lumber, general	8,665	7,581	5,519
Canadian Scottish	9	2.00	9	10.52	9	20.37	10	00.45	British	Can. Gov. Mer. Marine	399.9	52.2	18.0	Auckland, N. Z.	Halifax, N. S.	General	1,695	5,905	4,129
Canadian Britisher	9	3.45	9	11.11	9	20.15	11	6.20	British	Can. Gov. Mer. Marine	399.6	52.2	17.6	Brisbane, Australia	Halifax, N. S.	General	1,910	5,906	4,141
Cambrai [14]	9	15.55	10	6.21	10	15.45	11	14.00	American	War Department	448.0	58.2	24.0	San Francisco, Cal.	Brooklyn, N. Y.	General, lumber	476	.....	.....

[1] Tanker. [14] Army transport.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality	Operator.	Length	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Prielle	10	00 20	10	7 17	10	17 45	10	23 50	Dutch	Royal Amsterdam	490.0	58.0	27.0	Corral, Chile	Antwerp, Belgium	General	8,785	7,322	4,798
Ebro	10	6 20	10	8 15	10	17 10	11	2 07	British	Pacific Steam Nav. Co	450.35	57.86	24.7	Talcahuano, Chile	New York, N. Y.	General	3,426	9,291	6,301
Cauca [1]	9	19 10	10	8.30	10	18 40	15	6 05	Colombian	National Navigation Co.	107.48	22.97	10.3	Buenaventura, Col.	Cristobal, C. Z.	Coffee	534	238	163
Ypres Maru	10	4 50	10	9.40	10	18 50	10	20 55	Japanese	Damihon E. Kabushiki	425.0	53.6	27.0	Prince Rupert, B.C.	Norfolk, Va. [17]	Wheat	8,800	7,164	5,430
Atlantic City	10	3 00	10	10 16	10	20 15	10	22 10	British	Sir W. R. Smith	411.0	54.6	27.8	Vancouver, B. C.	Fayal, Azores [17]	Wheat	8,910	6,555	4,659
Yone Maru	10	4 25	10	11.08	10	20 15	10	22 05	Japanese	Kokusai Kisen Kaisha	425.0	52.8	27.2	Portland, Oreg.	Norfolk, Va. [17]	Wheat	9,020	6,823	5,186
Cali	10	8 30	10	12 28	10	22 00	14	11 10	German	Roland Line	216.6	36.9	16.4	Guayaquil, Ecuador	Cristobal, C. Z.	Ivory nuts, cocoa	971	1,105	698
Eastmoor	10	12 55	10	13 36	10	21 45	10	23 50	British	Runciman & Co	399.8	52.95	25.0	Vancouver, B. C.	London, England	Wheat	7,872	5,958	4,245
Dorothy Luckenbach	10	18 05	11	6 22	11	13 50	11	13 50	American	Luckenbach Line	448.9	60.2	31.0	Portland, Oreg.	Boston, Mass.	General, lumber	9,261	9,294	6,861
Four Winds [16]	13	10 30	11	7 23	14	15 40			British	Sir Guy Gaunt	174.0	37.0	12.6	Cocos Island	Gatun Lake, C.Z. [18]	Ballast			
Point Lobos	10	22 18	11	7 21	11	17 15	11	17 15	American	Swayne & Hoyt	289.0	40.0	18.0	Portland, Oreg.	New Orleans, La.	Lumber, general	2,716	2,899	1,946
England Maru	10	18 05	11	8 16	11	17 55	11	18 05	Japanese	Kokusai Kisen Kaisha	385.0	51.0	26.3	Vancouver, B. C.	Azores [17]	Wheat	7,630	6,214	4,665
Kinderdijk	10	22 45	11	9 08	11	18 45	11	22 20	Dutch	Holland-American Line	469.8	58.2	25.0	Vancouver, B. C.	Antwerp, Belgium	General	8,935	8,515	6,060
Cape of Good Hope [15]	10	23 30	11	10 13	11	19 50	12	2 45	British	Canadian Transp. Co.	405.0	53.0	26.2	Vancouver, B. C.	New York, N. Y.	General	7,065	5,851	4,284
Capetown Maru	11	13 15	11	14 02	11	21 40	12	15 53	Japanese	Kokusai Kisen Kaisha	385.0	51.0	26.0	Vancouver, B. C.	Falmouth, England	Wheat	7,700	6,209	4,658
Apple Branch	11	17 00	12	6 15	12	13 40	12	14 40	British	F. & W. Ritson	370.0	51.7	23.9	Corral, Chile	Liverpool, England	General	5,826	5,112	3,511
S. C. T. Dodd [1]	11	17 30	12	7 13	12	14 45	12	14 45	American	Standard Oil Co. of Calif.	425.0	57.2	29.0	Los Angeles, Calif.	New York, N. Y.	Gas oil	10,700	7,481	4,975
Mongolia	11	14 15	12	8 28	12	16 10	12	16 30	American	Panama-Pacific Line	600.0	65.3	32.0	San Francisco, Cal.	New York, N. Y.	General	6,170	17,041	11,426
David McKelvy [1]	11	19 30	12	9 37	12	17 00	12	17 00	American	Tidewater Oil Co	430.0	59.2	29.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	11,107	7,629	5,324
Alvarado	12	3 30	12	10 16	12	19 05	13	17 05	British	Pacific Steam Nav. Co	303.0	43.0	15.0	Callao, Peru	New York, N. Y.	General	891	2,844	1,748
Sutorpeo	12	4 00	12	10 18	12	18 45	12	19 55	American	Munson S. S. Line	324.0	46.2	23.0	Seattle, Wash.	Boston, Mass	Lumber	4,500	3,984	2,612
Kilnsea	12	4 00	12	11 20	12	19 47	12	21 30	British	William B. Atkinson	375.0	51.2	24.9	Portland, Oreg.	Cobh, I. F. S.	Wheat	7,236	5,390	3,873
Kansan	12	14 07	12	14 52	12	21 30	12	21 30	American	Amer.-Hawaiian Line	404.6	53.9	25.0	Portland, Oreg.	Boston, Mass	General	6,258	6,779	4,921
Bohemian Club [1]	12	21 00	13	6 05	13	14 25	13	14 25	American	Atlantic Refining Co	425.0	57.2	27.6	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	9,531	7,204	4,769
Commercial Spirit	12	16 30	13	7 07	13	15 35	13	16 25	American	Moore & McCormack	380.4	53.1	23.4	Vancouver, B. C.	Philadelphia, Pa.	Lumber	6,800	5,659	4,138
Taiho Maru	12	15 39	13	7 48	13	16 10	13	17 05	Japanese	Kokusai Kisen Kaisha	407.2	50.8	26.6	Vancouver, B. C.	Norfolk, Va. [17]	Wheat	7,018	6,199	4,524
Susherico	12	22 45	13	9 17	13	16 50	13	16 50	American	Transmarine Lines	324.0	46.2	22.4	Seattle, Wash.	New Orleans, La.	Lumber	3,800	3,984	2,628
Ontariolite [1] [5]	13	3 00	13	10 07	13	17 45	13	17 45	British	Imperial Oil Co., Ltd	470.0	63.1	28.0	Talara, Peru	Charleston, S. C.	Crude oil	12,500	9,191	6,051
S-42 [19]			13	12 09	13	19 30			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
S-43 [19]			12	12 09	13	19 30			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
S-45 [19]			13	13 02	13	19 30			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
S-46 [19]			13	13 02	13	19 30			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
Svealand [15]	13	9 45	13	14 55	14	11 45	14	11 45	Swedish	Axel Brostrom & Son	561.0	72.2	33.8	Cruz Grande, Chile	New York, N. Y.	Iron ore	20,000	15,425	4,421
City of Panama [15]	13	8 23	14	6 16	14	15 14			Panamian	Panama Mail S. S. Co.	269.09	45.93	15.11	San Francisco, Cal.	Cristobal, C. Z.	Gen., coffee, logs	912	3,848	2,603

[1] Tanker. [15] Motor ship. [16] Motor yacht. [17] For orders. [18] Laying to temporarily. [19] Submarine.

Habira [1]	13	18.55	14	7.24	14	17.10	14	18.40	American	Atlantic Refining Co.	435.0	56.2	29.0	Los Angeles, Calif.	Matanzas, Cuba	Fuel oil	10,835	7,427	5,187
Halo [1]	13	23.00	14	8 11	14	17.35	14	17.35	American	Cities Service Trans.Co.	435.0	56.0	29.4	Los Angeles, Calif.	Philadelphia, Pa.	Fuel oil	10,850	7,434	5,145
Orcoma	14	10.10	14	11.09	14	18.35	15	6.00	British	Pacific Steam Nav. Co.	511.6	62.25	27.0	Talcahuano, Chile	Liverpool, England	General	5,980	12,414	8,302
S-44 [19]			14	13.40	14	21.10			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
S-47 [19]			14	13.55	14	21.10			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
Powell [20]			14	14.20	15	22.30			American	James Powell	24.0	7.7	3.4	Balboa, C. Z.	Cristobal, C. Z.	Ballast			
Swan [24]			15	6.33	15	13.30			American	U. S. Navy				Balboa, C. Z.	Cristobal, C. Z.	(22)			
Agnes E. [20]	14	15.00	15	6 28	15	15.00	16	6.1[illegible]	Panaman	Pacific Fruit Co.	57.8	19.7	8.0	Panama Bay, R. P	Cristobal, C. Z.	Bananas	10	5	29
Stella	14	14.45	15	7.05	15	15.05			Norwegian	Panama Mail S. S. Co.	195.1	32.9	8.6	Salina Cruz, Mex.	Cristobal, C. Z.	(23)	452	98	606
Tilthorn	15	4.50	15	8.19	15	16.05	15	18.3[illegible]	Norwegian	E. I. Dupont de Nemours	420.2	53.9	28.6	Iquique, Chile	Savannah, Ga.	Nitrate of soda	10,243	6,59	4,730
Granada [21]	14	8.20	15	9.38	15	16.05	15	20.2[illegible]	Ecuadorian	Cia. Ball. de Ecuador	109.8	22.2	3.0	Guayaquil, Ecuado	Cristobal, C. Z. [17]	Ballast		22	73
Lanza [21]	14	8.20	15	9.44	15	16.05	15	20.2[illegible]	Ecuadorian	Cia. Ball. de Ecuador	109.8	22.2	3.0	Guayaquil, Ecuado	Cristobal, C. Z. [17]	Ballast		22	73
Arkansas	15	3.45	15	14.16	15	22.30	17	1.1[illegible]	French	French Line	448.8	53.2	27.0	Seattle, Wash.	La Havre, France	General	8,953	7,67	5,563

[1] Tanker. [20] Commercial launch. [21] Whaling tug. [22] Towing barge. [23] Coffee, hides, and broom roots. [24] Tug.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

*ARRIVALS.				*DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
January 9	Parismina	United Fruit Co.	New Orleans via Habana.	January 9	Calamares	United Fruit Co.	New York via Habana.
January 9	Calamares	United Fruit Co.	Port Limon, Costa Rica.	January 9	Parismina	United Fruit Co.	Port Limon, Costa Rica.
January 11	Ruby [25]	Huskikwin Fishing & Trans. Co	High seas for repairs.	January 9	Ancon	Panama Railroad S. S. Line.	New York via Haiti.
January 11	Teutonia	Hamburg-American Line	Puerto Barrios.	January 12	Parismina	United Fruit Co.	New Orleans via Habana.
January 12	Atenas	United Fruit Co.	New Orleans via Habana.	January 12	Teutonia	Hamburg-American Line	Cartagena, Colombia.
January 12	Parismina	United Fruit Co.	Port Limon, Costa Rica.	January 12	Maria Cristina [26]	A. Tagaropulos	Colon, Rep. of Panama.
January 12	Sixaola	United Fruit Co.	New York via Kingston.	January 13	Tivives	United Fruit Co.	New York via Kingston.
January 12	Tivives	United Fruit Co.	Santa Marta, Colombia.	January 13	Sixaola	United Fruit Co.	Colombian ports.
January 12	Maria Cristina [26]	A. Tagaropulos	Colon, Rep. of Panama.	January 13	Atenas	United Fruit Co.	New Orleans via wayports
January 13	Granada	Standard Fruit S. S. Co	New Orleans, La.	January 13	San Pablo	United Fruit Co.	Boston via wayports.
January 13	Pastores	United Fruit Co.	New York via wayports.	January 13	Stuyvesant	Royal Netherlands W. I. Mail.	Port Limon, Costa Rica.
January 13	San Pablo	United Fruit Co.	Boston via wayports.	January 13	Granada	Standard Fruit S. S. Co	San Blas coast, R. P.
January 13	Bowden	United Fruit Co.	Mobile, Ala.	January 14	Pastores	United Fruit Co.	New York via wayports.
January 13	Jessie Nell [26]	F. W. Robinson	Cartagena, Colombia.	January 15	Jessie Nell [26]	F. W. Robinson	San Andres, Colombia.
January 13	Stuyvesant	Royal Netherlands W. I. Mail.	Amsterdam via wayports	January 15	San Blas	United Fruit Co.	New York via wayports.
January 14	Puerto Rico	French Line	St. Nazaire via wayports	January 15	Granada	Standard Fruit S. S. Co.	New Orleans, La.
January 14	San Blas	United Fruit Co.	New York via wayports.	January 15	Oranian	Leyland Line	Charleston, S. C., and wayports.
January 14	Denver [27]	U. S. Navy	Bluefields, Nicaragua.				
January 14	Oranian	Leyland Line	Liverpool via wayports.	January 15	Bowden	United Fruit Co.	Mobile, Ala.
January 15	Granada	Standard Fruit S. S. Co.	San Blas coast, R. P.	January 15	Puerto Rico	French Line	St. Nazaire via wayports.
January 15	Stuyvesant	Royal Netherlands W. I. Mail.	Port Limon, Costa Rica.	January 15	Convert [26]	A. Ferrari	Colon, Rep. of Panama.
January 15	Convert [26]	A. Ferrari	Colon, Rep. of Panama.				

[25] Auxilary schooner. [26] Motor schooner. [27] Cruiser.

PORT OF BALBOA.

January 10	Bolton Castle	Lancashire Shipping Co.	High seas.	January 10	Cattaro	Roland Line	San Jose de Guatemala.
January 10	Cattaro	Roland Line	Buenaventura, Colombia.	January 11	Bolton Castle	Lancashire Shipping Co.	Haiphong, China.
January 12	Anyo Maru	Nippon Yusen Kaisha	Hongkong, China.	January 12	Anyo Maru	Nippon Yusen Kaisha	Valparaiso, Chile.
January 15	R-1 [28]	Peruvian Government	Callao, Peru.	January 13	Albermarle [29]	Hugo Stray	Buenaventura, Colombia.
January 15	R-2 [28]	Peruvian Government	Callao, Peru.				

[28] Submarine. [29] Motor ship. * Other than ships passing through the Canal.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Atlantic to the Pacific, December, 1926.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.							Asia.					Australasia.					
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America.	West coast of North America.[1]	Balboa.[2]	Hawaii.	Total, North America.	Japan.	China.	Philippines.	Far East.[1]	Total, Asia.	Australia.	New Zealand.	Australasia.[1]	Total, Australasia.	Grand totals.	Per cent of total cargo.
North America:																								
United States—																								
North Pacific ports	9,727	1,666	583	8,987	9,090	30,053	203,608	1,009					204,617	43,110	20,562	13,927	12,699	90,298	35,483	10,049	2,827	48,359	373,237	50.9
South Atlantic ports														1,714			7,410	9,124					9,124	1.2
Gulf ports	600	35	396	500		1,531	30,070						30,070	43,608	4,189		7,210	55,007	20,412	17,190		37,602	124,210	16.8
Totals, U. S.	10,327	1,701	979	9,487	9,090	31,584	233,678	1,009					234,687	88,432	24,751	13,927	27,229	154,339	55,895	27,239	2,827	85,961	506,571	68.9
Cristobal, C. Z.[2]	136	4,013	556	129	1,529	6,354	1,819		6,753				8,572										14,926	2.0
East coast of Canada								17,416					17,416						4,386	10,663		15,049	32,465	4.4
West Indies							750				6,891		7,641	6,186				6,186					13,827	1.9
East coast Mexico and Central America																			3,450			3,450	3,450	0.5
Totals, N. America	10,463	5,714	1,535	9,616	10,610	37,938	236,247	18,425	6,753		6,891		268,316	94,618	24,751	13,927	27,229	160,525	63,731	37,902	2,827	104,460	571,239	77.7
Europe:																								
British Isles	3,765		1,423	1,786	4,356	11,330	1,192	2,088		1,735			4,925							32,023	6,000	38,023	54,278	7.4
Belgium	3,847		913	1,535	311	6,606	18,439	3,871	1,870	600			24,780										31,386	4.3
France	671		1,200	619	582	3,072	4,775	307					5,082										8,154	1.2
Germany	2,390	9,869	1,012	149	3,150	16,570	3,718		2,050	457			6,225										22,795	3.1
Holland	3,000			1,180	1,478	5,658	4,045	158					4,203										9,861	1.4
Italy	2,371				465	2,836		500					500										3,336	0.4
Norway and Sweden	378			170	702	1,250	1,165						1,165										2,415	0.3
Spain and Portugal				165	194	359																	359	
Europe[1]	1,196		20	459	4,496	6,171	5,162	2,652	40	71			7,925										14,096	1.9
Totals, Europe	17,618	9,869	4,568	6,063	15,734	53,852	38,406	9,576	3,960	2,863			54,805							32,023	6,000	38,023	146,680	20.0
E. coast South America		170				170	11,784						11,784	4,575				4,575					16,529	2.3
Grand totals	28,081	15,753	6,103	15,679	26,344	91,960	286,437	28,001	10,713	2,863	6,891		334,905	99,193	24,751	13,927	27,229	165,100	63,731	69,925	8,827	142,483	734,448	100.0
Per cent of total cargo:																								
December, 1926	3.8	2.2	0.8	2.1	3.6	12.5	39.0	3.8	1.5	0.4	0.9		45.6	13.5	3.4	1.9	3.7	22.5	8.7	9.5	1.2	19.4		100.0
December, 1925	4.2	0.6	0.3	3.8	6.2	15.1	39.4	3.5	1.4	1.3	0.1	1.6	47.3	9.4	4.2	0.9	6.2	20.7	7.4	8.6	0.9	16.9		100.0
December, 1924	7.7	0.2		1.0	8.9	17.8	40.9	0.8	2.9	0.7	0.1	1.7	47.1	7.8	1.8	0.5	9.4	19.5	5.1	7.5	3.0	15.6		100.0

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, December, 1926.

(Figures represent tons of 2,240 pounds.)

From—	North America. United States. North Atlantic ports.	North America. United States. South Atlantic ports.	North America. United States. Gulf ports.	North America. United States. Total United States.	North America. East coast of Canada.	North America. West Indies.	North America. East coast Mexico and Cen. America.	North America. Cristobal, C. Z.[2]	North America. Total, North America.	Europe. British Isles.	Europe. Belgium.	Europe. Denmark.	Europe. France.	Europe. Germany.	Europe. Holland.	Europe. Italy.	Europe. Norway and Sweden.	Europe. Spain and Portugal.	Europe. Europe.[1]	Europe. Total, Europe.	East coast of South America.	East coast of North America.	Grand totals.	Per cent of total cargo.
South America:																								
Chile	137,811	4,422	8,485	150,718	.....	58	.....	231	151,007	16,970	2,709	.....	1,701	3,552	232	1,964	.....	2,912	61,120	91,160	9	.....	242,176	15.3
Colombia	203	.....	.....	203	.....	.....	.....	3,766	3,969	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,969	0.2
Ecuador	736	.....	.....	736	.....	.....	.....	1,864	2,600	78	.....	.....	69	323	16	91	.....	118	583	1,278	.....	.....	3,878	0.2
Peru	6,347	15,720	.....	22,067	27,541	.....	.....	1,680	51,288	19,540	200	.....	1	20	.....	12	.....	.....	2,207	21,980	.....	.....	73,268	4.9
W. coast S. Am.[1]	861	.....	.....	861	.....	.....	.....	112	973	259	875	.....	5	.....	.....	.....	.....	.....	993	2,132	.....	.....	3,105	0.2
Totals, So. Amer.	145,958	20,142	8,485	174,585	27,541	58	.....	7,653	209,837	36,847	3,784	.....	1,776	3,895	248	2,067	.....	3,030	64,903	116,550	9	.....	326,396	20.8
North America:																								
West coast, Canada	51,776	.....	695	52,471	1,057	3,011	.....	29	56,568	38,403	9,407	2,000	12,358	2,147	1,066	7,087	.....	.....	43,019	115,487	.....	.....	172,055	10.9
W. coast Cen. Am.	.....	.....	.....	.....	.....	5	.....	1,570	1,575	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,575	0.1
W. coast U. S.	678,553	2,396	12,092	693,041	31,047	7,841	1,589	18,137	751,655	99,790	12,138	445	6,971	13,284	8,234	4,167	.....	27	111,055	256,111	2,108	.....	1,009,874	64.1
Balboa	.....	.....	[3]1,061	1,061	.....	.....	.....	.....	1,061	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,061	..
W. coast No. Am.[1]	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,778	.....	.....	.....	459	.....	.....	.....	.....	7,307	10,544	.....	.....	10,544	0.7
Totals, N. Amer.	730,329	2,396	13,848	746,573	32,104	10,857	1,589	19,736	810,859	140,971	21,545	2,445	19,329	15,890	9,300	11,254	.....	27	161,381	382,142	2,108	.....	1,195,109	75.8
Asia:																								
China	1,504	.....	.....	1,504	.....	.....	.....	442	1,946	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,946	0.1
Japan	5,242	.....	.....	5,242	.....	.....	.....	.....	5,242	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,242	0.3
Philippines	2,292	.....	.....	2,292	.....	.....	.....	.....	2,292	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,292	0.2
Far East[1]	6,958	.....	.....	6,958	.....	.....	.....	.....	6,958	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,958	0.4
Totals, Asia	15,996	.....	.....	15,996	.....	.....	.....	442	16,438	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16,438	1.0
Australasia:																								
Australia	2,716	.....	.....	2,716	366	.....	.....	.....	3,082	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,082	0.2
New Zealand	521	.....	.....	521	.....	.....	.....	110	631	29,309	.....	.....	.....	.....	.....	.....	.....	.....	.....	29,309	.....	.....	29,940	1.9
Australasia[1]	3,857	.....	.....	3,857	.....	.....	.....	.....	3,857	.....	.....	.....	59	.....	.....	.....	.....	.....	941	1,000	.....	.....	4,857	0.3
Totals, Australia	7,094	.....	.....	7,094	366	.....	.....	110	7,570	29,309	.....	.....	59	.....	.....	.....	.....	.....	941	30,309	.....	.....	37,879	2.4
Grand totals	899,377	22,538	22,333	944,248	60,011	10,915	1,589	27,941	1,044,704	207,127	25,329	2,445	21,164	19,785	9,548	13,321	.....	3,057	227,225	529,001	2,117	.....	1,575,822	100.0
Per cent of total cargo:																								
December, 1926	57.1	1.4	1.4	59.9	3.9	0.6	0.1	1.8	66.3	13.4	1.6	0.2	1.3	1.2	0.6	0.9	.....	0.2	14.5	33.6	0.1	.....	100.0	..
December, 1925	55.9	2.0	6.2	64.1	2.0	1.4	0.2	2.1	69.8	15.3	0.2	.....	0.6	0.7	0.3	0.6	0.7	0.1	10.9	29.4	0.8	.....	100.0	.
December, 1924	56.7	0.8	4.2	61.7	1.0	0.6	.....	1.5	64.8	14.3	0.8	.....	1.5	1.0	0.1	0.9	.....	0.4	15.7	34.7	0.4	0.1	100.0	

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

[3] Bananas from Gatun Lake.

Canal Traffic During the First Fifteen Days of January, 1927.

During the first 15 days of January, 210 commercial vessels and 6 small nonseagoing launches transited the Canal. Tolls on the commercial vessels aggregated $908,968.25, and on the launches $37.35, or a total tolls collection of $909,005.60.

The daily average of transits of commercial vessels was 14, and the daily average tolls collection $60,597.88. The average amount of tolls paid by each of the commercial transits was $4,328.42, as compared with $4,315.87, for the first 15 days of December.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 6½ months of the fiscal year ending June 30, 1927, with the daily averages of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
July	456	1,980,719.67	14.71	$63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
January (first 15 days)	210	908,968.25	14.00	60,597.88
Totals, first 6½ months, 1927	2,997	12,838,608.01	14.61	64,515.62
Totals, first 6½ months, 1926	2,718	12,012,288.96	13.66	60,363.26
Totals, first 6½ months, 1925	2,557	11,838,274.27	12.85	59,488.82

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending January 15, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Aucon	Panama Railroad S. S. Line.		January 9..		490
Glamorganshire	Pacific Steam Navigation Co		January 9.....		116
Calamares	United Fruit Co	January 9..	January 9.	2	(a)
Parismina	United Fruit Co	January 9.	January 9.	454	81
Dinteldijk	Holland-American Line	January 9.....	January 9.....	(a)	38
Padilla	Colombian S. S. Co		January 10.		1,849
Canadian Britisher.	Can. Gov. Mer. Marine	January 9.	January 11.	90	(a)
Pacific Shipper	Furness, Withy & Co	January 9.	January 11.	(a)	291
Acajutla	Pacific Steam Navigation Co	January 9.	January 15.	732	1,210
Friedle	Royal Netherlands W. I. Mail....	January 10.	January 10.	118	(a)
Lautaro	Pacific Steam Navigation Co	January 10..	January 11.	98	52
Loro	Pacific Steam Navigation Co.....	January 10.	January 11.	1	192
Crenatula	Anglo-Saxon Petroleum Co	January 10.	January 12...	7,593	(a)
Cali	Roland Line	January 10.	January 14.	970	501
Cauca	National Navigation Co	January 10.	January 15.	290	362
Canada	Johnson Line	January 11.	January 12...	167	36
Teutonia	Hamburg-American Line	January 11....	January 12..	(a)	404
Parismina	United Fruit Co	January 12.	January 12.	(a)	142
Alvarado	Pacific Steam Navigation Co	January 12.	January 13.	389	488
Sixaola	United Fruit Co	January 12...	January 13.	347	558
Santa Teresa	Grace Line	January 12...	January 13.	(a)	3
Atenas	United Fruit Co.....	January 12...	January 13.	671	30
Tuxtlas	United Fruit Co.....	January 12.	January 13.	¼	255
Stuyvesant	Royal Netherlands W. I. Mail.	January 13.	January 13.	3	(a)
Granada	Standard Fruit S. S. Co.....	January 13.	January 13.	110	24
San Pablo	United Fruit Co	January 13.	January 13...	5	37
Pastores	United Fruit Co	January 13.	January 14.	330	25
Bowden	United Fruit Co	January 13..	January 15.	(a)	401
Puerto Rico	French Line	January 14.		57	
City of Panama	Panama Mail S. S. Co	January 14.		912	
Oreoma	Pacific Steam Navigation Co	January 14.	January 14..	5	74
Oraman	Leyland Line	January 14...	January 15....	618	(a)
San Elas	United Fruit Co	January 14.	January 15.	185	69
Arkansas	French Line	January 15.		253	
Alkmaar	Royal Netherlands W. I. Mail.	January 15.		402	
Granada	Standard Fruit S. S. Co.....	January 15.	January 15....	(a)	457
Stella	Panama Mail S. S. Co	January 15.		452	

[a] No cargo laded. [b] No cargo discharged. [c] 150 pounds.

United States Intercoastal Traffic by Commodities for December, 1926.

The following table shows the cargo carried through the Canal in the United States intercoastal trade, segregated by commodities and by direction, with the totals, and the totals for December, 1295 and 1924. Cargo statistics are compiled from cargo declarations submitted by masters of vessels, and in these declarations small items are frequently grouped under the designation of "General Cargo." These statistics are accordingly not precise but they are indicative of the kind and quantity of the cargo in transit through the Canal. The figures represent tons of 2,240 pounds, and are for the United States intercoastal trade only:

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Agricultural implements	1,156	.....	1,156
Asphalt	.....	173	173
Automobiles	3,751	56	3,807
Automobile accessories	536	146	682
Beans	20	4,638	4,658
Borax	100	1,510	1,610
Burlap	.....	30	30
Calcium carbide	33	.....	33
Camphor	.....	10	10
Canned goods:			
Fish	164	9,174	9,338
Fruit	25	26,447	26,472
Meat	298	.....	298
Milk	.....	202	202
Vegetables	1,033	5,652	6,685
Other	744	3,047	3,791
Carbon black	200	.....	200
Celite filtercel	.....	171	171
Cement	786	284	1,070
Charcoal	60	30	90
Chemicals	700	61	761
China and fire clay	18	.....	18
Coal	1,262	.....	1,262
Coffee	232	120	352
Cold storage:			
Lard	1,092	.....	1,092
Tallow	.....	38	38
Other	274	116	390
Confectionery	596	51	647
Cotton	690	2,434	3,124
Cyanide	20	.....	20
Drugs	211	.....	211
Explosives	40	60	100
Flour	60	5,144	5,204
Fruits:			
Dried	.....	9,220	9,220
Fresh	.....	9	9
Fuller's earth	134	.....	134
Furniture	537	.....	527
General	67,534	15,797	83,331
Glass	1,707	127	1,834
Glue	.....	5	5
Hardwoods	250	14	264
Hats	5	70	75
Hay	.....	3,113	3,113
Hemp	.....	950	950
Honey	.....	30	30
Hops	.....	85	85
Ink	221	11	232
Jute	.....	171	171
Leather	.....	20	20
Linoleum	502	70	572
Lumber	1,305	163,277	164,582
Marble	100	.....	100
Manufactured goods:			
Iron and steel	100,381	812	101,193
Machinery	3,387	302	3,689
Material	220	.....	220
Textiles	6,355	563	6,918
Other	1,087	99	1,186
Matches	47	.....	47
Metals:			
Antimony	.....	200	200
Copper	184	6,694	6,878
Lead	50	60	110
Scrap	500	116	616
Tin	3,908	12	3,920
Other	51	240	291

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals
Milk, powdered	.....	97	97
Nitrates	24	100	124
Nuts	30	260	290
Oils:			
Crude	19	324,359	324,378
Lubricating	1,709	.....	1,709
Olive	25	.....	25
Other	20	805	825
Refined	150	88,768	88,918
Vegetable	427	.....	427
Ores:			
Copper	.....	250	250
Lead	.....	250	250
Magnesite	.....	3,000	3,000
Manganese	40	.....	40
Paint	262	15	277
Paper	7,178	2,402	9,580
Peas	.....	50	50
Phosphates	634	.....	634
Rags	12	218	230
Rice	378	1,625	2,003
Rope	131	150	281
Rosin	648	.....	648
Rubber:			
Manufactured	1,263	8	1,271
Raw	.....	130	130
Scrap	200	225	425
Salt	23	.....	23
Seeds	.....	270	270
Shells, oyster	464	.....	464
Silk	.....	820	820
Skins and hides	344	2,356	2,700
Soap	795	.....	795
Soda	95	.....	95
Soda, ash	1,625	.....	1,625
Soda, caustic	346	.....	346
Starch	50	.....	50
Sugar	125	.....	125
Sulphur	11,747	.....	11,747
Syrup	209	57	266
Tea	10	188	198
Tobacco	1,617	53	1,670
Toys	.....	31	31
Turpentine	70	.....	70
Waste	12	.....	12
Wax	23	22	45
Wine	.....	400	400
Wool	75	3,471	3,546
Zinc oxide	332	.....	332
Totals, December, 1926	233,678	692,041	925,719
Totals, December, 1925	225,489	755,860	981,349
Totals, December, 1924	198,095	695,901	893,996

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending January 15, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Acajutla	Pacific Steam Navigation Co.	January 8	January 8	5	(1)
Balboa	Aug. F. Christensen	January 9	January 9	(2)	34
Canada	Axel Johnson	January 12	January 12	8	(1)
Anyo Maru	Nippon Yusen Kaisha	January 12	January 12	100	5
City of Panama	Panama Mail S. S. Co.	January 13	January 13	63	(1)
Cauca	National Navigation Co.	January 15.	January 15	(2)	33

[1] No cargo laded. [2] No cargo discharged.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

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Tanker Traffic Through the Panama Canal During Calendar Year 1926.

During the calendar year 1926, 1,262 tank ships transited the Canal, carrying a total of 7,117,408 tons of mineral oil products. These vessels had a combined net tonnage of 7,323,942, Panama Canal measurement, on which tolls of $6,447,399.40 were collected.

Tank ships comprised 23.1 per cent of the total commercial transits during the year; 28.3 per cent of the total Panama Canal net tonnage; 26.9 per cent of the total tolls collected; and 25.7 per cent of the total cargo carried in commercial vessels through the Canal during the year.

Expressed in terms of percentage, the following tabulation shows the volume of tanker traffic through the Canal during the past 4 years:

	Per cent of total traffic.			
	Number of transits.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Calendar year 1923	33.8	40.7	39.0	38.2
Calendar year 1924	31.1	32.7	31.2	31.1
Calendar year 1925	20.4	25.1	23.6	22.5
Calendar year 1926	23.1	28.3	26.9	25.7

The following tabulation shows the number of tank ships, the Panama Canal net tonnage, tolls collected, and cargo carried for each month of the calendar year 1926, together with totals for the half-year periods, and for the full years 1923, 1924, and 1925:

Month.	Number of transits.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
January	53	317,780	$229,186.74	.....
February	43	259,454	189,109.90	9,020
March	59	351,220	255,225.90	17,959
April	46	270,172	196,518.34	8,679
May	59	309,060	257,213.08	16,054
June	49	276,322	200,389.82	7,203
Totals, first half year	309	1,784,008	1,327,643.78	58,915
July	61	348,310	254,533.30	14,233
August	61	366,605	266,220.59	12,300
September	59	330,025	244,057.21	34,757
October	46	258,496	186,405.81	.....
November	44	254,064	182,997.66	.....
December	52	233,913	209,670.89	14,391
Totals, second half year	323	1,841,413	1,343,885.46	75,681
Totals, calendar year 1926	632	3,625,421	2,671,529.24	134,596
Pacific to Atlantic.				
January	47	290,014	299,322.95	550,241
February	42	241,433	242,935.95	444,227
March	45	280,494	289,601.15	535,508
April	56	322,603	331,229.85	607,681
May	59	348,567	348,868.43	657,620
June	52	308,768	318,781.50	586,498
Totals, first half year	301	1,791,879	1,830,739.83	3,381,775

Month.	Number of transits.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
July	53	309,835	$316,537.50	583,419
August	60	347,588	356,559.80	655,955
September	60	345,775	353,531.05	665,826
October	59	331,919	336,060.70	625,880
November	46	271,068	276,079.53	493,180
December	51	300,457	306,361.75	576,777
Totals, second half year	329	1,906,642	1,945,130.33	3,601,037
Totals, calendar year 1926	630	3,698,521	3,775,870.16	6,982,812
Grand totals, calendar year 1926	1,262	7,323,942	6,447,399.40	7,117,408
Grand totals, calendar year 1925	977	5,753,799	5,046,080.70	5,337,398
Grand totals, calendar year 1924	1,320	7,991,887	7,127,218.93	8,050,846
Grand totals, calendar year 1923	1,704	10,079,921	8,967,647.41	9,625,714

CANAL WORK IN DECEMBER, 1926.

The following is the report of the Governor to the Secretary of War, of Canal work in the month of December, 1926.

BALBOA HEIGHTS, C. Z., *January 18, 1927.*

The Honorable, the Secretary of War,
Washington, D. C.

SIR: I have the honor to submit the following report covering operations of The Panama Canal during the month of December, 1926. In it have been incorporated summaries of the traffic through the Canal during the past calendar year.

TRAFFIC FOR CALENDAR YEAR 1926.

Commercial transits for the year ending December 31, 1926, aggregated 5,420, as compared with 4,774 for the calendar year 1925, and 4,893 for the calendar year 1924. The calendar year 1926 established a new high record for number of commercial transits, as compared with the previous record of 5,230 for the fiscal year ending June 30, 1924.

In addition to the 5,420 commercial vessels, 544 noncommercial ships, principally United States Army and Navy vessels, and 155 small nonseagoing launches transited the Canal, making the total number of transits for the calendar year, 6,119.

Cargo shipped through the Canal during 1926 set a new high figure for a year's traffic, 27,586,051 tons, as compared with the previous record of 26,994,710 tons for the fiscal year 1924.

The following tabulation gives a ready comparison of the number of vessels, Panama Canal net tonnage, tolls, and tons of cargo passing through the Canal during the calendar years 1925 and 1926, by months:

COMMERCIAL TRAFFIC THROUGH THE CANAL DURING THE CALENDAR YEARS 1925 AND 1926, BY MONTHS.[1]

Month.	No. vessels.		Panama Canal net tonnage.		Tons of cargo.		Tolls.	
	1925.	1926.	1925.	1926.	1925.	1926.	1925.	1926.
January	401	479	1,960,015	2,300,187	1,907,469	2,346,643	$1,832,024.35	$2,103,368.29
February	379	424	1,789,447	1,991,127	1,839,619	2,139,207	1,648,964.88	1,835,226.47
March	398	506	1,964,106	2,398,694	2,104,324	2,607,046	1,840,103.14	2,206,212.20
April	382	425	1,840,692	2,048,247	1,950,902	2,237,567	1,735,429.37	1,917,457.11
May	372	470	1,847,682	2,243,103	1,823,042	2,416,701	1,705,592.20	2,056,965.55
June	368	419	1,753,327	1,990,344	1,920,323	2,134,686	1,659,490.06	1,852,670.66
July	418	456	1,951,295	2,154,821	1,960,654	2,185,527	1,800,239.84	1,980,719.67
August	372	464	1,779,627	2,230,905	1,912,217	2,321,697	1,657,893.90	2,055,041.91
September	388	446	1,831,039	2,186,804	1,891,988	2,239,547	1,692,723.11	2,019,626.42
October	416	445	1,955,485	2,124,519	2,009,171	2,374,711	1,826,314.64	1,989,213.93
November	424	428	2,028,034	2,032,488	2,023,398	2,272,449	1,870,087.68	1,889,001.11
December	462	458	2,257,409	2,135,002	2,358,170	2,310,270	2,111,896.53	1,996,036.72
Totals	4,774	5,420	22,958,158	25,836,241	23,701,277	27,586,051	21,380,759.70	23,901,540.04

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States Government, including merchant vessels chartered by the Government, do not pay tolls. Shipping Board vessels in commercial service pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

COMMERCIAL TRAFFIC BY CALENDAR YEARS, 1914 TO 1926.

The following statement is a summary of the traffic through the Canal by calendar years since its opening:

Calendar year.	No. of ships.	United States net tonnage.	Panama Canal net tonnage.	Registered tonnage.		Tolls.	Tons of cargo.
				Gross.	Net.		
1914 [1]	350	(3)	1,284,293	1,789,721	(3)	$1,508,737.56	1,758,625
1915 [2]	1,154	(3)	3,902,512	(3)	(3)	4,297,467.11	4,893,422
1916 [3]	1,217	3,078,623	3,817,704	(3)	(3)	3,671,162.68	4,774,822
1917	1,960	5,116,001	6,217,054	(3)	(3)	6,107,696.63	7,443,610
1918	2,070	5,369,341	6,409,886	(3)	(3)	6,317,455.39	7,284,159
1919	2,130	5,828,118	6,932,984	7,719,306	4,919,189	6,973,095.30	7,463,151
1920	2,814	8,543,408	10,378,265	13,300,887	8,458,401	10,295,362.21	11,236,119
1921	2,783	9,303,687	11,435,811	14,451,830	9,225,519	11,261,098.80	10,707,005
1922	2,997	10,375,771	12,992,573	16,315,147	10,310,113	12,573,407.77	13,710,556
1923	5,037	19,979,628	24,737,437	31,658,095	19,931,570	22,966,838.18	25,160,545
1924	4,893	19,414,771	24,411,760	31,127,724	19,440,024	22,809,416.34	25,892,134
1925	4,774	18,141,695	22,953,158	29,368,840	18,228,704	21,380,759.70	23,701,277
1926	5,420	20,254,503	25,836,241	33,044,274	20,329,791	23,901,540.04	27,586,051
Totals	37,599	.....	161,314,678	.....	.....	154,064,037.71	171,611,476

[1] Canal opened to traffic August 15, 1914. [2] Canal opened to traffic for approximately 8½ months only; closed by slides from the middle of September, 1915, to the middle of April, 1916. [3] Indicates tonnage figures are not available.

NUMBER OF VESSELS TRANSITING CANAL IN 1926.

The total number of vessels and craft of all kinds transiting the Canal during the calendar year 1926, by months, is shown in the following tabulation:

Month.	Commercial.	Noncommercial. [1]	Launches. [2]	Total.
January	479	40	13	532
February	424	107	12	543
March	506	91	12	609
April	425	64	9	498
May	470	41	13	524
June	419	20	11	450
July	456	22	7	485
August	464	27	7	498
September	446	24	11	481
October	445	26	19	490
November	428	35	19	482
December	458	47	22	527
Totals for the year	5,420	544	155	6,119

[1] Includes 517 U. S. Army and Navy vessels, 6 vessels belonging to the Panama Government, 3 belonging to the Colombian Government, and 18 vessels which transited the Canal solely for repairs. [2] Launches and miscellaneous small nonseagoing craft which, although paying tolls, are excluded from the statement of commercial traffic.

CANAL TRAFFIC FOR DECEMBER, 1926.

During the month, 458 commercial vessels transited the Canal. In addition to these, 22 nonseagoing launches measuring under 20 tons, and 42 vessels belonging to or chartered by the United States Government, transited the Canal. In addition to the above there were two transits of a Colombian Government vessel, and three transits of vessels solely for repairs, making a total of 527 transits for the month, or a daily average of 17.

Tolls on the 458 commercial vessels amounted to $1,996,036.72, and on the launches to $128.40, making a total tolls collection for the month of $1,996,165.12, or a daily average on all traffic of $64,392.42. The average amount of tolls paid by each of the commercial transits was $4,358.16, as compared with $4,413.55 for the month of November.

The total number of craft of all kinds transiting the Canal during the month of December, as compared with the same months in 1925 and 1924, is shown in the following tabulation:

	December, 1926.	December, 1925.	December, 1924.
Commercial vessels	458	462	407
Noncommercial vessels (Army and Navy)	42	36	31
Launches (under 20 tons measurement)	22	19	6
Colombian Government vessels	2	.....	.....
For repairs	3	2	.....
Totals	527	519	444

In addition to the vessels listed above, Panama Canal equipment consisting of dredges, tugs, barges, launches, etc., was passed through the locks as follows:

	North-bound.	South-bound.	Total.
Gatun	18	13	31
Pedro Miguel	41	39	80
Miraflores	39	38	77
Totals	98	90	188

The following is a summary of the commercial traffic for December, 1926, as compared with the corresponding month in 1925 and 1924, and the monthly average for the calendar year 1926:

	December, 1926.	December, 1925.	December, 1924.	Average per month for calendar year 1926.
Number of vessels	453	462	407	451
United States net tonnage	1,634,910	1,785,749	1,532,933	1,687,875
Panama Canal net tonnage	2,135,002	2,257,409	1,939,196	2,153,020
Registered gross tonnage	2,760,153	2,888,249	2,530,929	2,753,639
Registered net tonnage	1,637,396	1,737,153	1,538,100	1,694,149
Tolls	$1,996,036.72	$2,111,896.53	$1,893,495.04	$1,991,795.00
Tons of cargo carried	2,310,270	2,353,170	2,265,637	2,293,896

The average daily number of transits, tonnage, tolls, and cargo, are shown in the following statement, in comparative form, commercial vessels only:

	Average per day.			Average per day for calendar year 1926.
	December, 1926.	December, 1925.	December, 1924.	
Number of transits	14.77	14.90	13.13	14.84
Panama Canal net tonnage	68,871	72,819	64,163	70,784
Tolls	$64,338.23	$68,125.37	$61,030.49	$65,483.67
Tons of cargo carried	74,524	76,070	73,087	75,578

AVERAGE TONNAGE, TOLLS, AND TONS OF CARGO PER VESSEL.

The average tonnage, tolls, and cargo per vessel transiting the Canal during the month of December, 1926, as compared with December, 1925, and December, 1924, are shown in the following tabulation:

	Average per vessel.		
	December, 1926.	December, 1925.	December, 1924.
United States equivalent net tonnage	3,608	3,865	3,889
Panama Canal net tonnage	4,661	4,886	4,887
Registered gross tonnage	6,026	6,230	6,219
Registered net tonnage	3,684	3,868	3,902
Tolls	$4,353.15	$4,571.20	$4,652.32
Tons of cargo (including vessels in ballast)	5,044	5,104	5,567
Tons of cargo (laden vessels only)	6,079	6,062	6,332

TOLLS.

At present, tolls are collected at rates of $1.20 per ton for laden vessels and $0.72 per ton for vessels in ballast, computed on the basis of The Panama Canal rules of measurement, with the provision that tolls shall not exceed $1.25 per ton nor be less than $0.75 per ton as determined in accordance with the United States rules for the measurement of net registered tonnage. In order to ascertain the proper tolls charges, it is necessary, therefore, that the net tonnage of vessels transiting the Canal be determined both in accordance with The Panama Canal and the United States rules of measurement.

Taking the traffic through the Canal for the month of December, 1926, the following tabulation shows a comparison of tolls actually collected under the present

method of assessing tolls and the tolls that would have been collected on the basis of The Panama Canal rules of measurement at the proposed rates of $1.00 laden and $0.60 ballast, with transits for the month segregated by flag:

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
British	$515,020.34	$525,082.60	$10,062.26	.....
Chilean	13,128.75	14,082.00	953.25	.....
Colombian	602.10	510.00	.....	$92.10
Danish	17,080.00	16,321.00	.....	759.00
Dutch	44,727.55	49,119.20	4,391.65	.....
French	52,156.70	54,449.00	2,292.30	.....
German	48,992.75	51,806.16	2,813.85	.....
Italian	29,825.00	28,090.00	.....	1,735.00
Japanese	95,655.40	87,962.00	.....	7,693.40
Norwegian	74,341.90	75,450.00	1,108.10	.....
Panaman	7,175.75	7,901.20	725.45	.....
Peruvian	13,077.80	15,601.00	2,523.20	.....
Spanish	10,007.09	9,686.20	.....	320.89
Swedish	19,758.99	19,874.20	115.21	.....
United States	1,052,029.96	1,038,860.20	.....	13,169.76
Yugo-Slav	2,456.64	2,047.20	.....	409.44
Totals	1,996,036.72	1,996,842.40	24,985.27	24,179.59

The decrease on vessels of United States registry would have been made up, with respect to channels of trade in which the vessels were engaged, as follows:

United States intercoastal trade	$17,146.87
United States foreign trade	[1] 3,364.36
United States–Canal Zone trade	[1] 612.75
Total	13,169.76

[1] Indicates increase under proposed rates.

RATIO OF CARGO TONNAGE TO NET TONNAGE.

The ratio of cargo tonnage to net tonnage, Panama Canal measurement, of vessels transiting the Panama Canal in December, 1926, is shown in the following tabulation segregated by nationality of vessels and direction of transit. Laden vessels only are included:

Nationality.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
British	.85	1.44	1.12
Chilean	.42	1.07	.85
Colombian	1.56	1.78	1.67
Danish	1.58	1.76	1.70
Dutch	.81	1.55	.98
French	.60	1.59	1.09
German	1.17	1.63	1.41
Italian	.30	1.38	.83
Japanese	1.24	1.39	1.33
Norwegian	1.37	1.81	1.55
Panaman	1.24	1.81	1.61
Peruvian	51	.92	.68
Spanish	11	.36	.24
Swedish	73	4.48	3.03
United States	.99	1.66	1.51
Average, December, 1926	.94	1.57	1.29
Average, December, 1925	.89	1.52	1.25
Average. December, 1924	.91	1.58	1.30

CLASSIFICATION OF VESSELS.

A further classification of commercial vessels passing through the Canal during the month of December, 1926, is as follows:

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Tank ships:						
Laden	2	8,782	$9,258.95	51	300,457	$306,361.75
Ballast	50	278,131	200,411.94			
General cargo ships:						
Laden	170	770,676	735,748.80	157	698,363	683,226.80
Ballast	23	73,979	57,701.69	5	4,614	3,326.79
Totals	245	1,131,568	1,003,121.38	213	1,003,434	992,915.34
Steamers	201	992,068	880,610.81	181	898,573	888,888.60
Motor ships	30	138,258	116,787.47	22	103,905	103,230.25
Motor schooners	4	437	507.70	2	216	242.50
Launches				4	116	100.00
Yachts				2	534	389.19
Tugs	1	31	32.50	2	90	64.80
Barges	6	774	652.80			
Naval vessels	3		4,530.10			
Totals	245	1,131,568	1,003,121.38	213	1,003,434	992,915.34

Of the 382 steamers, 268 were oil burning, 111 coal burning, and 3 burned either coal or oil.

NONCOMMERCIAL TRAFFIC.

The following statement shows the tonnage and amount of cargo carried by vessels transiting the Panama Canal free of tolls during the month of December, 1926. If tolls had been assessed against these vessels at commercial rates, the amount collected would have been approximately as indicated:

Class and nationality.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of transits.	Tonnage.	Tolls.	No. of transits.	Tonnage.	Tolls.
U. S. Naval vessels:						
Ammunition ship				1	[2] 5,269	$6,312.80
Cruisers	1	[1] 8,900	$4,450.00	1	[1] 8,900	4,450.00
Launches	1	[1] 10	5.00			
Mine sweepers	4	[2] 3,800	1,900.00	3	[1] 2,850	1,425.00
Motor sailors	2	[1] 10	5.00			
Submarines	6	[1] 5,436	2,718.00	6	[1] 5,436	2,718.00
Supply ships	1	[2] 4,355	5,226.00			
Tankers	3	[2] 18,041	12,989.52	2	[2] 11,427	13,712.40
Tugs	2	[1] 2,000	1,000.00	2	[1] 2,000	1,000.00
U. S. Army vessels:						
Launches	3	[1] 15	7.50			
Transports	1	[2] 5,212	3,752.64			
Tugs	1	[1] 500	250.00	2	[1] 1,000	500.00
Colombian Government vessels:						
Tugs	1	[1] 500	250.00	1	[1] 500	250.00
For repairs:						
General cargo vessels	1	[2] 2,764	1,990.08	2	[2] 3,439	2,476.08
Totals	27		34,543.74	20		32,844.28

[1] Indicates displacement tonnage. [2] Indicates Panama Canal net tonnage.

The foregoing noncommercial vessels transiting the Canal during the month of December, 1926, carried cargo as follows:

	Tons.
Atlantic to Pacific	3,593
Pacific to Atlantic	18,246
Total	21,839

The following statement shows the number of launches transiting the Canal during the month of December, 1926. These launches, although paying tolls, are excluded from statements concerning commercial traffic:

	Number.	Tonnage.	Tolls.
Atlantic to Pacific	20	119	$117.15
Pacific to Atlantic	2	15	11.25
Totals	22	134	128.40

STATEMENT OF TERMINAL OPERATIONS.

Details of the business transacted at the Atlantic and Pacific terminals of the Panama Canal during the month of December, 1926, are shown in the following tabulation:

		Cristobal.	Balboa.	Total.
Local cargo arriving	tons	93,474	27,541	121,288
Local cargo shipped	tons	7,391	4,263	11,654
Transit cargo arriving	tons	2,284,099	2,282,115	4,566,214
Transit cargo clearing	tons	2,283,932	2,311,081	4,595,013
Cargo received for transshipment	tons	31,948	1,425	33,373
Cargo transshipped	tons	24,607	35	24,642
Vessels supplied with bunker coal:				
Commercial, other than Panama Railroad		77	2	79
Coal supplied to above vessels:				
Commercial, other than Panama Railroad	tons	31,879	1,530	33,409
Coal issued, miscellaneous:				
Panama Canal departments	tons	152	27	179
U. S. Army, excepting vessels	tons	241	10	251
Individuals and companies	tons	228	.....	228
Panama Railroad	tons	17	5	22
Transferred to Navy	tons	1,572	.....	1,572
Panama Railroad Steamship Line	tons	2	.....	2
Total issues and sales	tons	34,091	1,572	35,663
Coal on hand, January 1, 1927	tons	31,173	.....	31,173
Coal on hand, December 1, 1926	tons	18,548	.....	18,548
Coal received during month	tons	46,716	.....	46,716
Coal received from Navy	tons	.....	1,572	1,572
Fuel oil issued from Panama Canal tanks:				
Panama Canal departments	bbls	7,034.45	22,538.00	29,572.45
Panama Railroad Company	bbls	1,023.75	.....	1,023.75
Army and Navy	bbls	604.60	126.63	731.23
Individuals and companies	bbls	.....	117.14	117.14
Total issues and sales	bbls	8,662.80	22,781.77	31,444.57
Fuel oil received during December, 1926	bbls	52,656.47	21,271.43	73,927.90
Fuel oil on hand, January 1, 1927	bbls	22,722.84	5,602.91	28,325.75
Diesel oil sold during December, 1926	bbls	123.76	.....	123.76
Diesel oil on hand, January 1, 1927	bbls	29,312.84	411.76	29,724.60
Miscellaneous transfers	bbls	59,290.38	3,529.59	62,819.97
Gasoline and kerosene pumped for The Panama Canal	bbls	1,297.62	2,850.43	4,148.05
Gasoline pumped for individuals and companies	bbls	332.74	3,097.59	3,430.33
Oil pumped for individuals and companies	bbls	561,423.46	388,090.32	949,513.78
Transferred to U. S. Shipping Board	bbls	21,271.43	.....	21,271.43
Total fuel oil, gasoline, and kerosene handled	bbls	631,130.76	420,349.70	1,051,480.46
Admeasurement of vessels:				
U. S. equivalent certificates issued		26	4	30
Measured for Panama Canal net tonnage		11	6	17
Remeasured for Panama Canal net tonnage		18	1	19
Panama Canal net tonnage corrected		.....	8	8
U. S. equivalent tonnage corrected		6	2	8
Services of harbor equipment:				
Tugs, total operating hours		531½	371	902½
Launches, total operating hours		1,548	1,435	2,983
Revenue from tug service, pilotage, etc.:				
Tug revenue		$15,500.00	$11,278.75	$26,778.75
Pilotage		19,931.00	7,635.00	27,566.00
Seamen		11,000.00	9,872.00	20,872.00
Launch service		2,414.50	2,912.50	5,327.00
Wharfage		14,735.47	5,616.02	20,351.49
Ships measured		395.00	115.00	510.00
Miscellaneous cash collections		1,143.90	306.00	1,449.90
Ships repaired at Panama Canal shops:				
Commercial		44	11	55
U. S. Army and Navy		4	9	13
Panama Canal equipment		25	10	35
Vessels dry docked:				
Commercial		3	2	5
U. S. Army and Navy		1	5	6
Panama Canal equipment		2	4	6
Clearances issued		269	244	513
Bills of health issued		272	245	517

ALL VESSELS ENTERING AND CLEARING PORT.

	Port of Cristobal.			Port of Balboa.		
	No. of ships.	Registered gross tonnage.	Registered net tonnage.	No. of ships.	Registered gross tonnage.	Registered net tonnage.
Ships entering.						
All vessels, including those transiting Canal	531	3,233,649	1,999,603	474	2,878,150	1,788,315
Vessels entering port but not transiting Canal	81	353,731	213,582	6	26,812	19,685
Vessels transiting Canal and handling passengers and cargo at terminal ports	86	545,983	338,961	65	422,343	261,188
Ships clearing.						
All vessels, including those transiting Canal	536	3,268,659	2,020,286	473	2,891,239	1,794,910
Vessels clearing port but not transiting Canal	83	369,255	223,012	4	23,084	16,279
Vessels transiting Canal and handling passengers and cargo at terminal ports	87	549,697	340,241	66	427,888	264,623

MOVEMENT OF PASSENGERS.

	At Cristobal.			At Balboa.		
	First-class.	Others.	Total.	First-class.	Others.	Total.
Disembarking:						
From Atlantic ports	1,503	1,243	2,746	41	72	113
From Pacific ports	147	64	211	142	138	280
Total disembarking	1,650	1,307	2,957	183	210	393
Embarking:						
For Atlantic ports	987	1,131	2,118	13	14	27
For Pacific ports	208	79	287	161	156	317
Total embarking	1,195	1,210	2,405	174	170	344
Remaining on board:						
From Atlantic to Pacific ports	1,776	3,481	5,257	1,770	3,320	5,090
From Pacific to Atlantic ports	457	524	981	537	686	1,223
From Atlantic to Atlantic ports	1,143	159	1,302	.....	.....	.....
From Pacific to Pacific ports	.....	.....	.....	4	121	125
Total remaining on board	3,376	4,164	7,540	2,311	4,127	6,438
Total arriving	5,026	5,471	10,497	2,494	4,337	6,831
Total departing	4,571	5,374	9,945	2,485	4,297	6,782

PASSENGER-CARRYING VESSELS THROUGH CANAL.

	Total commercial vessels.	Passenger-carrying vessels.	Per cent of total transits.
Atlantic to Pacific	245	40	16.3
Pacific to Atlantic	213	32	15.0
Totals	458	72	15.7

In addition to the aforesaid, 86 passenger-carrying vessels called at the port of Cristobal, and 1 at Balboa, without transiting the Canal, making a total of 159 passenger-carrying vessels calling at Canal ports during the month.

COMMISSARY SALES TO VESSELS.

Following is a statement of commissary sales to vessels during the month of December, 1926:

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Cristobal to:						
Commercial vessels	$1,919.61	$10,199.77	$22,017.13	$307.19	$4,476.36	$38,920.06
Government vessels	136.67	1,627.99	15,561.85	62.62	254.30	17,643.43
Panama Railroad vessels	.....	42.77	1,218.09	640.34	310.80	2,212.00
Total sales, December, 1926	2,056.28	11,870.53	38,797.07	1,010.15	5,041.46	58,775.49
Total sales, December, 1925	2,186.26	12,491.90	26,174.54	1,009.29	4,934.69	46,796.68
Total sales, December, 1924	1,616.73	9,493.44	25,145.90	884.23	2,995.57	40,135.87

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Balboa to:						
Commercial vessels	$869.95	$8,718.74	$12,360.31	$240.98	$2,673.10	$24,863.08
Government vessels	246.78	4,603.45	7,310.82	29.21	1,407.77	13,598.03
Total sales, December, 1926	1,116.73	13,322.19	19,671.13	270.19	4,080.87	38,461.11
Total sales, December, 1925	1,062.91	8,339.48	25,728.31	343.74	2,088.46	37,562.90
Total sales, December, 1924	1,191.58	2,777.49	20,689.72	496.03	6,269.37	31,424.19

The aggregate sales to Government vessels during the month was $31,241.46; to Panama Railroad vessels, $2,212; and to other commercial vessels, $63,783.14; making the total sales to all vessels, $97,236.60.

LOCK OPERATIONS.

The following tabulation shows the number of lockages, and the number of vessels passing through the locks, during the month of December, 1926, as compared with the corresponding month in 1925 and 1924, together with the consumption of water for the lockages, maintenance, etc., in December, 1926, as compared with the preceding month and the corresponding month in 1925:

Locks.	Number of lockages.						Comparative grand totals.		
	Commercial.			Noncommercial.					
	North.	South.	Total.	North.	South.	Total.	Dec., 1926.	Dec., 1925.	Dec., 1924.
Gatun	207	224	431	4	6	10	441	465	407
Pedro Miguel	204	235	439	18	25	43	482	487	450
Miraflores	204	234	438	17	20	37	475	483	448
	Number of vessels put through locks.								
Gatun	225	261	486	41	39	80	566	553	474
Pedro Miguel	217	245	462	62	68	130	592	552	517
Miraflores	217	246	463	59	66	125	588	547	510

CLASSIFICATION OF NONCOMMERCIAL VESSELS.

	Gatun.	Pedro Miguel.	Miraflores.
Army and Navy vessels	49	50	48
Panama Canal equipment	31	80	77

The total consumption of water for lockages, maintenance, and loss in leakage was as follows:

	Gatun.	Pedro Miguel.	Miraflores.
	Cubic feet.	*Cubic feet.*	*Cubic feet.*
Lockages	1,828,840,000	1,597,760,000	1,458,920,000
Maintenance			5,650,000
Leakage	30,000,000	10,000,000	20,000,000
Totals, December, 1926	1,858,840,000	1,607,760,000	1,484,570,000
Totals, November, 1926	1,638,440,000	1,470,560,000	1,381,420,000
Totals, December, 1925	1,859,850,000	1,654,850,000	1,500,460,000

METEOROLOGY AND HYDROGRAPHY.

In the following tabulation the meteorological and hydrographic conditions over the Canal Zone and vicinity during the month of December are shown in comparative forms:

Rainfall for month.	December.		December—Years of record.		
	1926.	1925.	Maximum.	Minimum.	Mean.
	Inches.	*Inches.*	*Inches.*	*Inches.*	*Inches.*
Pacific section	10.08	2.12	12.18	1.06	5.12
Central section	9.52	4.34	16.43	.71	5.84
Atlantic section	10.23	6.85	39.34	1.85	11.70
Maximum recorded on any one day	3.37	9.62	[1] 9.62	.....	.....
Gatun Lake watershed	9.64	5.16	26.20	1.15	5.47
Chagres River watershed above Alhajuela	9.45	5.53	37.54	1.29	8.53
Maximum recorded for month at any one point	16.00	12.49	58.17	.....	.....
Minimum recorded for month at any one point	3.10	1.60	.....	.00	.....
Hydrography.	*C.f.s.*	*C.f.s.*	*C.f.s.*	*C.f.s.*	*C.f.s.*
Discharge of Chagres River at Alhajuela	3,470	2,171	17,300	1,265	3,723
Maximum momentary discharge for the month	14,550	9,054	[2] 154,000	.....	.....
Gatun Lake watershed, total yield	9,675	5,788	9,923	3,005	6,476
Gatun Lake watershed, net yield	9,149	5,119	9,218	2,158	5,893
Draft on Gatun Lake for lockages and power	2,728	2,785	[3] 2,785	[3] 1,091	[3] 2,210

[1] 12.25 represents the maximum 24-hour rainfall recorded on the Canal Zone and vicinity since American occupation recorded at Gatun on October 23 and 24, 1923. Note.—Extreme outlying stations in the Republic of Panama not included in this report. [2] December 26, 1909. [3] Does not include December, 1914.

SEISMOLOGY.

No seismic tremors were recorded during the month.

ELECTRICAL DIVISION.

In addition to the usual operating and maintenance work performed by this division, electrical installation and repair work was made on 29 vessels during the month. There were 315 work orders issued during December, as compared with 307 work orders issued during the month of November, 1926.

MECHANICAL DIVISION.

During the month miscellaneous repairs were made on 73 vessels at Cristobal and 30 at Balboa.

General repairs were performed on the steamship *Panama* during the month. On the steamship *Salvador*, extensive overhaul and reconstruction throughout the entire ship was continued during the month. Annual overhaul of the U. S. submarine *O–6* was continued during the month.

MUNICIPAL DIVISION.

The usual maintenance work on roads, streets, and walks, and to the water and sewer systems was performed during the month.

The amount of water pumped during the month totaled 672,657,000 gallons.

DREDGING DIVISION.

West Culebra slide has shown an average movement of 9.1 feet perpendicular to the Canal axis during the month, between stations 1770 and 1794 W, and a maximum movement of 13.0 feet at station 1791. The dredges removed 31,900 cubic yards of material from this slide, during the month, and a total of 72,450 cubic yards since the East Culebra slide of October 6, 1926

On the 27th of the month East Culebra slide showed another general movement between stations 1775 and 1785, the shore line moving out from 80 to 120 feet from its normal position, largely within the basin. Part of the material, however, pushed out to the center line between stations 1775 and 1777 E. It is estimated that 200,000 cubic yards moved into the basin and channel. There has been no further movement since December 27th. The dredges have removed 165,500 cubic yards of material from this slide during the month, making a grand total of 971,750 cubic yards since the movement of October 6, 1926.

There were no other slide movements during the month and there was no interference with Canal traffic.

The total excavation during the month was 533,800 cubic yards, as follows:

Cubic yards.	Classified as— Earth.	Rock.	Character of work.	Station.	Equipment.
148,000	148,000	.....	Maintenance.....	Atlantic entrance.....	*No. 83.*
39,100	5,800	33,300	Maintenance.....	Gaillard Cut, East Culebra slide.....	*Cascadas.*
8,500	1,300	7,200	Maintenance.....	Gaillard Cut, West Culebra slide.....	*Cascadas.*
75,700	14,450	61,250	Maintenance.....	Gaillard Cut, East Culebra slide.....	*Paraiso.*
2,750	400	2,350	Maintenance.....	Gaillard Cut, West Culebra slide.....	*Paraiso.*
50,700	10,150	40,550	Maintenance.....	Gaillard Cut, East Culebra slide.....	*Gamboa.*
20,650	4,150	16,500	Maintenance.....	Gaillard Cut, West Culebra slide.....	*Gamboa.*
11,500	1,750	9,750	Maintenance.....	Gaillard Cut, East Lirio slide.....	*Gamboa.*
8,500	.....	8,500	Maintenance.....	Pacific entrance, Project No. 1.....	*Cascadas.*
35,000	15,200	19,800	Maintenance.....	Pacific entrance, maintenance.....	*Cascadas.*
16,200	16,200	.....	Maintenance.....	Pacific entrance, Project No. 1.....	*No. 86.*
117,200	117,200	.....	Maintenance.....	Pacific entrance, maintenance.....	*No. 86.*

OCCUPANTS OF QUARTERS.

The number of persons including men, women, and children, occupying Panama Canal and Panama Railroad quarters on December 31, 1926, totaled 20,772, of whom 7,084 were Americans, 191 Europeans, and 13,497 West Indians. The total number of persons in quarters on December 31, 1925, was 20,472.

WORKING FORCE.

The following tabulation shows the number of gold and silver employees as of December 15, 1926, together with a comparison of the working force for the preceding month, and for December, 1925:

	As of December 15, 1926.			Total employees.	
	Gold.	Silver.	Total.	November, 1926.	December, 1925.
Operation and Maintenance:					
Office	38	36	74	75	70
Electrical	160	188	348	354	384
Municipal Engineering	78	568	646	595	739
Lock Operation	222	652	874	853	849
Dredging	185	931	1,116	1,141	938
Mechanical	420	822	1,242	1,203	1,202
Marine	192	657	849	742	790
Fortifications	14	200	214	185	296
Totals	1,309	4,054	5,363	5,148	5,268
Supply Department:					
Quartermaster	187	1,482	1,669	1,609	1,496
Subsistence	8	108	116	98	110
Commissary	200	1,028	1,228	1,217	1,146
Cattle Industry	7	463	470	330	137
Hotel Washington	8	94	102	98	103
Transportation	45	201	246	247	221
Totals	455	3,376	3,831	3,599	3,213
Accounting Department	197	7	204	205	202
Health Department	231	769	1,000	988	974
Executive Department	492	281	773	769	783
Totals	920	1,057	1,977	1,962	1,959
Panama Railroad:					
Superintendent	44	219	263	248	253
Transportation	64	116	180	176	178
Receiving and Forwarding Agent	84	1,655	1,739	1,661	1,136
Coaling stations	48	324	372	336	288
Totals	240	2,314	2,554	2,421	1,855
Grand totals, December, 1926	2,924	10,801	13,725	.....	.....
Grand totals, November, 1926	.....	.....	.....	13,130	.....
Grand totals, December, 1925	.....	.....	.....	.....	12,295

VITAL STATISTICS.

A total of 154 deaths occurred during the month of December, 1926, among the population of the Canal Zone, and the cities of Panama and Colon, which is equivalent to an annual death rate of 14.45 per 1,000 population. The leading causes of death were: Tuberculosis (various organs), 24; pneumonia (broncho and lobar), 23; diarrhea and enteritis, 16; nephritis (acute and chronic), 13; and organic diseases

of the heart, 6. There were 5 deaths from bronchitis, 4 from cancer, 4 from apoplexy, and 1 death from dysentery. There were 16 deaths among nonresidents of the Isthmus; these are not included in the above statistics.

There were 251 live births reported during the month, and 15 stillbirths. Including stillbirths, this is equivalent to an annual rate of 23.55 per 1,000 population. Deaths among children under 1 year of age number 59, giving an infant mortality rate of 235.06 per 1,000 live births.

The total number of malaria cases reported from the Zone and the cities of Panama and Colon during December was 56, of whom 13 were employees (2 white and 11 colored), none were members of employees' families, 19 were other civilian nonemployees, and 24 were Army personnel. Eight of the 13 employees were probably infected outside our sanitated areas, as they gave a history of working, living, or having been in such areas at night previous to their becoming sick.

There were no deaths from malaria.

The annual admission rate per 1,000 for malaria among employees of The Panama Canal for the calendar year 1926, was 14.1, which is the lowest recorded since the United States began construction of the Panama Canal in 1904. The malaria rate among the total population of the Canal Zone and the cities of Panama and Colon, for the calendar year 1926, has been unusually favorable, particularly on the Pacific side of the Isthmus.

RECEIPTS AND SALES OF MATERIALS AND SUPPLIES.

The value of material ordered on United States requisitions and received on the Isthmus during the month totaled $454,308.25, of which $433,504.48 was for the Department of Operation and Maintenance, and $20,803.77 for other Panama Canal Departments.

Cash sales on the Isthmus from stock, fuel oil, scrap, and obsolete and secondhand material amounted to $47,237.30.

FINANCIAL STATEMENT.

The following statement shows in a condensed form the aggregate revenues and expenditures for the month of November, 1926, as compared with November, 1925, together with figures for the first five months of the current fiscal year as compared with the same period in the fiscal year, 1926.

It is impossible to submit the figures for the month of December at the time of writing this report, since all the charges, etc., involved in the accounting have not been completed.

	Month.		Fiscal year.	
	November, 1926.	November, 1925.	This year.	Last year.
Tolls	$1,889,103.59	$1,870,123.08	$9,933,937.75	$8,846,758.75
Other receipts	280,748.41	284,641.23	1,384,856.93	1,346,848.06
Total transit revenues	2,169,852.00	2,154,764.31	11,318,794.68	10,193,606.81
Total transit expenses	1,084,188.54	888,306.97	4,929,591.03	4,354,525.33
Net transit revenues	1,085,663.46	1,266,457.34	6,389,203.65	5,839,081.48
Three per cent capital charge	608,852.43	612,753.08	3,048,354.77	3,060,732.17
Transit surplus	476,811.03	653,704.26	3,340,848.88	2,778,349.31
Business revenues	1,249,601.21	1,129,591.45	5,793,735.38	6,085,711.02
Business expenses	1,131,363.97	1,071,748.86	5,387,977.88	5,800,604.69
Net business revenues	118,237.24	57,842.59	405,757.50	285,106.33
Three per cent capital charge	57,100.45	53,238.84	296,788.33	280,352.68
Business surplus	61,136.79	4,603.75	108,969.17	4,753.65
Combined revenues	3,151,909.60	3,013,783.76	15,800,080.10	15,004,158.59
Combined expenses	1,948,008.90	1,689,483.83	9,005,118.95	8,879,970.78
Combined net revenues	1,203,900.70	1,324,299.93	6,794,961.15	6,124,187.81
Three per cent capital charge	665,952.88	665,991.92	3,345,143.10	3,341,084.85
Combined surplus	537,947.82	658,308.01	3,449,818.05	2,783,102.96

Respectfully,

M. L. WALKER,

Governor.

Summary of Hydrography, Calendar Year 1926.

A brief summary of hydrographic conditions for the calendar year 1926, is given below:

CHAGRES RIVER.

The average discharge of the Chagres River watershed above Alhajuela was 1,868 cubic feet per second, or 26 per cent below the 25-year mean of 2,518 c. f. s., and furnished 33 per cent of Gatun Lake's total yield. It is the lowest yearly discharge since 1905. The 1905 discharge of 1,518 c. f. s., is the minimum yearly discharge of record.

The maximum monthly discharge for the year 1926 was 3,470 c. f. s., in December, and the minimum 281 c. f. s., in April.

The maximum momentary discharge was 28,600 c. f. s., at elevation 101.96 feet on September 7. The minimum discharge was 250 c. f. s., at elevation 90.97 feet on May 17. There were 7 freshets with a rise of 5 feet or over at Alhajuela during the year.

GATUN LAKE.

The Gatun Lake watershed total yield for the calendar year 1926 was 5,719 c. f. s., or 7 per cent below the 16-year mean of 6,166 c. f. s.

The maximum monthly total yield for the year was 11,964 c. f. s., in November, and the minimum, 305 c. f. s., in April.

The total yield of the watershed of 1,320 square miles amounted to 180.36 billion cubic feet, accounted for as follows:

	Per cent.	Billion cubic feet.
Run-off above Alhajuela	32.6	58.91
Yield from land area below Alhajuela	45.6	82.19
Direct rainfall on lake surface	21.8	39.26
Total	100.0	180.36

The total yield, 180.36 billion cubic feet, was 94 per cent of the Gatun Lake capacity at elevation 87 feet above sea level (192 billion cubic feet).

The uses and distribution of this water supply are given below:

	Per cent.	Billion cubic feet.
Evaporation from lake surface	11.4	20.61
Gatun Lake lockages	18.0	32.47
Hydroelectric power	22.7	41.00
Spillway waste	46.7	84.31
Leakage and municipal water	0.8	1.33
Increase in storage	0.4	0.64
Total	100.0	180.36

Foot and Mouth Disease.

THE PANAMA CANAL, HEALTH DEPARTMENT,
BALBOA HEIGHTS, C. Z., January, 18, 1927.

To all concerned.—With reference to notice dated December 11, 1924,[1] establishing an embargo against animals, animal products, and fodder from certain countries of South America, on account of the existence of foot and mouth disease, and paragraph "a" thereof which prohibits importation of "hay, grain, straw, or goods packed in grass, hay, or straw," the following ruling of the Health Department is announced:

The usual type of cylindrical individual bottle casing constructed of grass or straw will not be considered "hay, grass, or straw" within the meaning of the above quoted notice. Bottled goods so packed in individual casings may be imported, but no loose hay, grass, or straw may be used in the packing cases.

C. P. KNIGHT,
Chief Quarantine Officer.

Approved:
W. P. CHAMBERLAIN,
Chief Health Officer.

[1] Published in THE PANAMA CANAL RECORD of December 17, 1924, page 268.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, January 22, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Cerro Azul [1]	15	18 19	16	6 35	16	12 44	16	14 03	American	Huasteca Petroleum Co.	480.5	66.0	22.7	Providence, R. I.	Los Angeles, Calif.	Ballast		9,398	6,453
Agnes E. [2]	15	15 10	16	6 15	16	13 33	17	11 46	American	Panaman Pacific Fruit Co	53.0	20.0	7.0	Cristobal, C. Z.	Panama, R. P.	Unknown		57	29
Ionic	15	19 50	16	12 50	16	20 14	16	21 23	British	White Star Line	500.3	63.3	30.10	London, England	New Zealand	General	8,586	12,872	9,577
Sunelseco	16	13 33	16	13 45	16	21 15	22	22 50	American	Transmarine Lines	324.0	46.2	20.0	New Orleans, La.	San Francisco, Cal.	General	1,575	3,984	2,612
Lebore	15	19 00	17	6 15	17	14 52	17	22 34	American	Ore S. S. Corp.	519.0	72.0	19.6	Norfolk, Va.	Cruz Grande, Chile	Pal'ast		14,325	4,635
Karpfanger	16	4 35	17	6 20	17	15 53	17	17 10	German	Hanseatische Rederei	407.0	51.4	24.0	Port Arthur, Tex.	Fremantle, Aust'lia	General	7,003	6,622	4,885
Suwied	16	8 47	17	7 15	17	16 38	24	19 41	American	San Francisco Sul. Co.	324.0	46.2	23.4	Galveston, Tex.	San Francisco, Cal.	Crude sulphur	4,859	3,983	2,629
Agwisnith [3]	16	15 10	17	8 15	17	17 02	17	18 26	American	California Pet. Co.	499.9	68.1	19.0	New York, N. Y.	Los Angeles, Calif.	Ballast		10,853	7,736
Montanan	16	18 50	17	9 05	17	17 54	17	19 20	American	Amer.-Hawaiian Line	404.6	53.9	21.3	New York, N. Y.	Portland, Oreg.	General	4,572	6,756	4,775
Rhine Maru	17	9 43	17	10 10	17	18 42	18	3 30	Japanese	Kerr S. S. Line	405.0	53.0	24.3	New York, N. Y.	Yokohama, Japan	General	6,245	7,044	5,136
Alkmaar	15	23 25	17	11 00	17	19 40	17	20 44	Dutch	Royal Neth. W. I. Mail	449.0	62.9	21.6	Hamburg, Germany	Corral, Chile	General	4,484	9,505	6,644
Major Pullen [4]			17		17	9 36			American	U. S. Army				Cristobal, C. Z.	Gatun, C. Z.				
Witell	17	11 55	18	4 15	18	11 39	18	16 40	German	Roland Line	449.0	53.2	24.6	Bremen, Germany	Vancouver, B. C.	General	6,030	7,816	5,755
Felix Taussig	17	18 15	18	4 50	18	13 02	18	14 35	American	Norton, Lilly & Co.	395.0	55.0	28.4	Boston, Mass.	Bellingham, Wash.	General	8,529	7,056	4,964
Albion [5]	17	11 50	18	6 25	18	13 00	20	8 10	British	Captain Lee Ber	240.0	31.8	16.2	Kingston, Jamaica	Pearl Islands, R.P.	Ballast		1,140	432
D. G. Scofield [6]	18	6 00	18	7 00	18	14 11	18	15 18	American	Standard Oil Co.	439.5	53.0	21.0	New York, N. Y.	Los Angeles, Calif.	Ballast		8,698	5,935
Chulmleigh	18	09 30	18	8 00	18	15 20	18	16 25	British	Tatem Steam Nav. Co	400.0	52.0	22.4	New York, N. Y.	Brisbane, Au tralia	General	4,200	5,709	3,800
Rigel [5]	18	3.5	18	9 05	18	16.35	18	22.10	Norwegian	Bergen S. S. Co	367.5	51.5	23.0	Galveston, Tex.	Melbourne, Aus'lia	Sulphur		6,400	5,427	4,113
Aourimac	16	18 40	18	13 55	18	21 25	18	23 35	Peruvian	Peruvian Line	382.0	48.2	24.6	New York, N. Y.	Callao, Peru	General, coal	3,171	4,867	3,544
Piako	18	13 45	18	14.05	19	9.30	19	10.40	British	N. Z. Shipping Co.	450.0	58.0	24.0	New York, N. Y.	Auckland, N. Z.	General	6,372	8,459	6,060
Port Albany	18	5 35	19	4 50	19	13.11	19	14.19	British	Com'th & Dom. Line	426.3	54.1	26.6	London, England	N. Plymouth, N. Z	General	4,889	7,506	5,261
K. R. Kingsbury [5]	19	5 25	19	6 45	19	13 50	19	19 36	American	Standard Oil Co.	440.0	58.0	22.0	New York, N. Y.	Los Angeles, Calif.	Ballast		9,033	5,938
Franconia	19	6 52	19	7 25	19	15 15	20	00 28	British	Cunard Line	601.3	73.0	28.0	New York, N. Y.	Around the world			22,513	16,521
Sumaco	18	22 45	19	8 05	19	15 50	19	19 36	American	Transmarine Lines	324.0	46.2	21.6	Newark, N. J.	Los Angeles, Calif.	General	3,639	3,984	2,628
Canadian Highlander	19	1 25	19	8 35	19	16 40	19	17 54	British	Can. Gov. Mer. Marine	400.0	52.4	18.8	Glasgow, England	Vancouver, B. C.	General	2,136	6,192	4,402
Willkeno	19	4 05	19	9 45	19	17 59			American	Williams S. S. Line	415.0	55.7	23.0	Norfolk, Va.	Los Angeles, Calif	General	7,350	7,750	5,805
Boric [6]	19	7 30	19	12 00	19	19 45	20	00 28	American	U. S. Navy	310.0	30.11½	13.0	Drags'n Bluff, Nic.	Balboa, C. Z				
Edward Luckenbach	19	7 53	19	12 24	19	19.04	19	19.50	American	Luckenbach Line	436.6	57.2	27.3	New York, N. Y.	Los Angeles, Calif	General	7,589	8,543	6,427
A. B. C. No. 24 [7]			19		19	14 34			American	San Blas Dev. Co.				Cristobal, C. Z.	Gatun, C. Z	(7)		12	12
Barge No. 29			19		19	14 34			American	San Blas Dev. Co.				Cristobal, C. Z.	Gatun, C. Z	Ballast		15	15
America [3]			19		19	10 44			Panaman	J. H. Stilson				Cristobal, C. Z	Gatun, C. Z.	Ballast		6	6
Argun Maru	19	16 03	20	4 35	20	12 06	20	13 30	Japanese	Osaka Shosen Kaisha	415.0	55.0	25.0	New York, N. Y.	Far East	(8)	7,554	7,209	5,294
Canadolite [5]	20	1 15	20	6 35	20	13 55	20	14 50	British	Imperial Oil Co.	510.9	68.0	22.0	Halifax, N. S.	Los Angeles, Calif	Ballast		11,556	7,658
Myriam [5]	20	5 25	20	6 55	20	14 49	20	23 34	French	Anglo-Saxon Pet. Co.	425.0	57.0	20.0	Rouen, France	Los Angeles, Calif	Ballast		7,178	5,072
Monticello	20	8 42	20	8 55	20	15 52	20	16 55	American	Sudden & Christensen	468.5	58.5	23.0	Baltimore, Md.	Los Angeles, Calif	General	6,055	8,460	6,084
Manchuria	20	9.10	20	9 40	20	17.05	21	00.10	American	Panama-Pacific Line	600.0	65.3	27.0	New York, N. Y.	San Francisco, Cal.	(9)	2,380	17,044	11,488

[1] Tanker. [2] Motor schooner. [3] Launch. [4] Yacht. [5] Motor ship. [6] Destroyer. [7] Towing barge No. 29. [8] Cotton, tin, and steel plates. [9] Electrical goods and drugs.

Eemdijk	19	10.18	20	10.00	20	17.49	20	18.48	Dutch	Holland-American Line	469.7	61.0	21.5	Rotterdam, Holland	Vancouver, B. C.	Bananas, gen.	4,548	8,514	6,066
Sonora	18	6.20	20	10.55	20	18.34	20	19.24	French	French Line	388.7	54.1	17.3	Antwerp, Belgium	Guayaquil, Ecuador	General	1,044	6,394	4,464
Legazpi	19	00.40	20	12.00	20	19.21	20	20.40	Spanish	Spanish Line	375.5	47.0	18.6	Barcelona, Spain	Valparaiso, Chile	General	200	4,506	2,827
Lifeboat			20		20	12.50			American	Panama R. R. S. S. Line				Cristobal, C. Z.	Gatun, C. Z.	Ballast		3	3
Atto	16	16.05	21	4.08	21	14.07	21	16.37	German	Roland Line	361.0	51.0	22.3	Bremen, Germany	Champerico, Guat.	General	4,688	4,805	3,390
Missourian [5]	20	17.45	21	5.10	21	14.57	21	16.15	American	Amer.-Hawaiian Line	445.1	59.8	22.0	Boston, Mass.	Tacoma, Wash.	General	4,317	8,567	6,020
V-3 [10]	10	9.50	21	6.05	21	16.54			American	U. S. Navy	342.0	28.0		Key West, Fla.	Balboa, C. Z.	Ballast			
Mirlo [1]	21	6.40	21	8.40	21	16.40	21	18.00	German	Huasteca Petroleum Co.	441.0	57.5	19.0	Boston, Mass.	Los Angeles, Calif.	Ballast		7,664	5,329
Teno	21	8.55	21	13.00	21	19.34	22	3.40	Chilean	Chilean Line	421.8	56.0	24.0	New York, N. Y.	Valparaiso, Chile	General	1,651	7,758	4,672
Badger [11]			21	6.20	21	16.40			Panaman	J. G. White & Co.				Cristobal, C. Z.	Balboa, C. Z.	Ballast		308	308
Captain C. S. Crowl [3]			21		21	15.13			American	U. S. Army				Cristobal, C. Z.	Gatun, C. Z.				
City of Panama [5]	14	15.14	22	4.00	22	13.23	22	14.55	Panaman	Panama Mail S. S. Co.	296.9	45.0	19.4	Cristobal, C. Z.	San Francisco, Cal.	General	2,250	3,848	2,603
Bethore	21	8.32	22	4.55	22	14.21	22	15.40	American	Ore S. S. Corp.	550.3	72.2	22.6	Norfolk, Va.	Cruz Grande, Chile	Ballast		15,476	4,354
Broad Arrow [1]	21	9.30	22	6.20	22	14.30	22	15.40	American	Standard Oil Co	467.6	62.7	21.0	Boston, Mass.	San Francisco, Cal.	Ballast		9,700	6,842
Argonne [12]	21	12.45	22	7.05	22	15.28	22	16.55	American	U. S. Navy	436.0	56.0	26.0	Bluefields, Nic'gua.	Corinto, Nic'gua.	Naval stores	130		
Satanta [1]	21	22.05	22	8.05	22	15.49	22	16.55	British	Standard Transp. Co.	385.0	51.7	19.0	New York, N. Y.	Los Angeles, Calif.	Ballast		5,473	3,697
E. J. Sadler [1]	22	6.38	22	8.35	22	16.45	22	17.50	American	Standard Oil Co.	499.2	68.0	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast		11,020	7,988
Kekoskee [1]	22	11.52	22	12.50	22	19.30	23	1.03	American	Richfield Oil Co	391.8	51.3	18.0	Mobile, Ala	Los Angeles, Calif.	Ballast			

[1] Tanker. [10] Submarine. [11] Barge. [12] Transport.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Sirius [13]	15	11.00	16	7.17	16	14.35	17	14.00	American	U. S. Navy	401.0	54.0	17.4	Bremerton, Wash.	Hampton R'ds, Va.	Navy supplies	2,759		
Guayaquil	16	2.18	16	8.21	16	15.40	18	00.15	American	Panama R. R. S. S. Line	251.0	43.6	20.6	Guayaquil, Ecuador	New York, N. Y.	([17])	2,737	2,874	1,944
Chilore	17	3.00	17	5.53	17	17.10	17	17.10	American	Ore S. S. Corp.	549.65	72.25	34.0	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	14,538	9,348
Oregonian	16	17.30	17	7.15	17	17.30	17	17.30	American	Amer.-Hawaiian Line	404.6	53.95	26.6	Seattle, Wash.	Boston, Mass.	General	6,635	6,754	4,780
Venezuela	16	23.30	17	8.20	17	19.00	18	15.00	Italian	Italian Line	420.0	51.6	24.1	Valparaiso, Chile	Genoa, Italy	General	3,429½	7,622	5,051
Dominia [14]	16	15.15	17	8.40	17	19.50	17	19.50	British	Tel. Con. & Maint. Co.	475.5	59.0	22.0	Suva, Fiji Islands	London, England	Ballast		9,756	5,982
William Green [1]	16	20.00	17	9.02	17	22.30	17	22.30	American	Pan-Amer. Pet. & Tr. Co.	430.0	58.2	26.6	Los Ang les, Calif.	New York, N. Y.	Fuel oil	10,032	6,873	4,670
Otaki	17	2.00	17	9.32	17	21.00	17	22.15	British	N. Z. Shipping Co.	449.1	58.25	24.9	Auckland, N. Z.	London, England	Frozen, general	5,136	8,268	5,432
Tustem [1]	17	7.30	17	10.16	17	23.18	17	23.18	American	Atlantic Refining Co.	423.0	57.2	29.4	Port San Luis, Cal.	Philadelphia, Pa.	Fuel oil	10,860	7,204	4,678
Ramapo [1]	17	9.15	17	10.53	18	00.40	18	00.40	American	U. S. Navy	461.6	60.0	27.6	Los Angeles, Calif.	Guantanamo, Cuba	Fuel oil	10,466		
Kifuku Maru	17	10.00	17	11.38	18	4.05	18	8.55	Japanese	K. Line	385.0	51.0	27.01	Prince Rupert, B.C.	Hampton R'ds, Va.[16]	Wheat	7,062	5,919	4,387
Nebraska	17	10.40	17	11.56	18	2.08	18	8.20	British	Royal Mail S. P. Co.	450.2	58.38	24.0	Vancouver, B. C.	London, England	General	5,562	8,788	5,688
Santa Elisa	17	10.30	17	13.12	17	21.50	17	23.10	American	Grace Line	360.3	51.7	23.10	Talcahuano, Chile	New York, N. Y.	General	3,775	5,957	4,325
Pacific	17	12.30	17	13.42	18	5.15	18	5.15	American	Argonaut S. S. Co.	399.7	56.2	25.02	Everett, Wash.	Portsmouth, R. I.	Lumber	6,800	6,517	4,723
Julia Luckenbach	17	15.45	18	6.13	18	14.00	18	14.00	American	Luckenbach Line	436.61	57.25	30.0	Seattle, Wash.	Mobile, Ala.	Lumber, general	8,546	8,543	6,402
Greymouth	18	2.30	18	7.12	18	15.20	18	15.20	American	Seas Shipping Co.	430.7	54.3	26.6	Vancouver, B. C.	Baltimore, Md.	Ore, lumber	8,608	7,946	5,698
Duendes	18	2.30	18	8.09	18	19.05	18	21.00	British	Pacific Steam Nav. Co.	390.0	50.0	25.3	Corral, Chile	Liverpool, England	General	5,683	6,006	4,289
Gargoyle [1]	18	12.15	18	12.57	18	20.35	18	20.35	American	Vacuum Oil Co.	425.0	57.0	27.1	San Francisco, Cal.	Philadelphia, Pa.	Lubricating oil	9,950	7,510	4,989
Atago Maru [15]	18	1.45	18	13.53	18	21.15	18	21.15	Japanese	Nippon Yusen Kaisha	440.25	57.0	20.0	Manila, P. I.	New York, N. Y.	General	6,153		
Paul Luckenbach	18	13.45	18	14.19	18	22.20	18	22.00	American	Luckenbach Line	471.1	59.0	26.0	Portland, Oreg.	Boston, Mass.	Lumber, general	8,800	9,027	6,539
India Arrow [1]	18	14.45	19	6.12	19	16.40	19	16.40	American	Standard Transp. Co.	468.3	62.7	27.5	Los Angeles, Calif.	New York, N. Y.	([18])	11,370	10,084	7,426
Challenger [15]	18	18.50	19	7.25	19	17.20	19	18.05	American	U. S. & Australian Line	410.0	56.0	18.0	Adelaide, Australia	New York, N. Y.	([19])	1,088	7,780	5,811

[13] Auxiliary transport. [14] Cable ship. [15] Motor ship. [16] For orders. [17] Cocoa, coffee, and hides. [18] Gasoline and distillate oil. [19] Wool, skins, and general.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—Continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Tuscaloosa City	18	17 30	19	8 03	19	18 20	19	18 20	American	Norton, Lilly & Co	441.0	56.0	24.10	Vancouver, B. C.	Avonmouth, Eng.	General	7,692	7,611	5,450
Whale	14	8 20	19	9 14	19	19 03	21	14 40	Norwegian	Cia. Ball. de Ecuador	354.0	45.1	19.0	La Libertad, Ecuador	British Isles [24]	Whale oil	1,500	4,400	3,258
Venezuela	19	6 00	19	13 20	19	21 08	20	23 00	American	Panama Mail S. S. Co.	330.0	43.7	23.06	San Francisco, Cal.	New York, N. Y.	General	3,359	6,033	4,353
Leon XIII	19	16 25	20	6 18	20	16 45	22	11 25	Spanish	Spanish Line	410.4	46.0	21.0	Valparaiso, Chile	Barcelona, Spain	General	1,146	5,521	3,729
Cassel	19	22 00	20	7 09	20	17 10	20	18 15	German	Ger.-Aus.-Kosmos Line	450.0	53.2	25.3	San Antonio, Chile	Hamburg, Germany	General	8,296	7,744	5,293
Ansgar	19	22 15	20	8 13	20	18 40	21	20 10	German	Roland Line	393.14	54.32	26.6	Talcahuano, Chile	Hamburg, Germany	General	8,492	6,542	4,532
Hawaiian	20	9 30	20	10 29	20	19.05	20	19 05	American	Amer.-Hawaiian Line	404.6	53.9	26.0	Portland, Oreg	Boston, Mass.	General	6,528	6,766	4,809
London Shipper	20	7 00	20	11 41	20	19 55	20	19 55	British	Furness, Withy & Co.	460.1	53.0	30.0	Vancouver, B. C.	Glasgow, Scotland	General	8,190	8,662	6,099
Victorious	20	13 25	20	14 17	20	22 30	21	7 25	American	American-Pioneer Line	440.1	56.0	22.2	Saigon, China	New Orleans, La.	General	5,416	8,328	6,036
Aurora [25] [1]	20	23 30	21	6 15	21	17 20	21	17 20	American	Standard Transp. Co	431.0	59.2	26.0	Los Angeles, Calif.	New York, N. Y.	Gas oil	10,239	7,825	5,102
Texas Maru	20	17 20	21	7.13	21	14 20	21	14 55	Japanese	Kokusai Kisen Kaisha	425.0	53 3	27 6	Portland, Oreg	Birkenhead, Eng.	Wheat	9,020	6,899	5,839
Elsina Walker [1]	20	20 30	21	7 25	21	18 15	21	18 15	American	Huasteca Petroleum Co	429.3	59.2	26 10	Los Angeles, Calif.	Providence, R. I.	Fuel oil	10,480	7,978	5,899
Hadnot [1]	20	22 30	21	7 58	21	19 25	21	19 25	American	Cities Service Trans. Co.	416.9	56 2	23 6	Los Angeles, Calif	Philadelphia, Pa.	Crude oil	9,919	6,706	4,639
Caltandia	21	6 00	21	8 19	21	20.20	22	5 40	British	Henry M. Thomson	400.4	52.1	27.0	Seattle, Wash	Norfolk, Va. [24]	Wheat in bulk	8,074	6,517	4,777
Marsodas	20	20 00	21	8 50	21	21 20	21	21.20	American	The Charles Nelson Co.	324.0	46.2	25.8	Port Angeles, Wash.	Baltimore, Md	Copper, lumber	5,500	3,984	2,628
Cities Service Fuel [1]	21	4 30	21	9 14	21	21.45	21	21 45	American	Cities Service Trans. Co.	339.0	54.7	27.0	Los Angeles, Calif.	Philadelphia, Pa.	Fuel oil	8,000	6,190	4,381
Calvert [26]	9	19 30	21	9 19	21	17 20	23	6 50	Venezuelan	Venezuela Gulf Oil Co.	99.0	21.0	....	Balboa, C. Z	Maracaibo, Ven	Ballast	....	....	....
S. M. Spalding [1]	21	6 25	21	9 45	21	22 45	21	22 45	American	Pan-Amer. Pet. & Tr. Co.	435.0	56.0	25.0	Los Angeles, Calif.	New York, N. Y.	Fuel oil	8,130	7,331	5,510
Kelvinia	21	1 30	21	10 16	21	23 35	21	23 25	British	John Black & Co., Ltd	435.0	57 7	27.9	Vancouver, B. C.	London, England	Wheat, barley	8,054	7,858	5,517
Architect	21	4 45	21	12 55	22	0 35	22	0 35	British	T. & J. Harrison	410 6	52 35	26 4	Vancouver, B. C.	London, England	General	7,040	6,245	4,305
Point Sur	21	12 20	21	13 16	22	2 15	22	2 15	American	Swayne & Hoyt	324.0	46 2	21 0	Powell River, B.C.	New Orleans, La.	General	3,573	3,984	2,612
Magnestar	21	7 00	21	13 5	22	3 45	22	9 50	British	Blue Star Line, Ltd	420.0	54.0	26 0	Vancouver, B. C.	London, England	Refrigerated	6,555	7,351	5,510
San Ugon [1]	21	22 25	22	6 09	22	13 5	22	17 15	British	Anglo-Saxon Pet. Co.	413 0	53.4	24 0	San Francisco, Cal.	London, England	Gasoline	7,407	5,976	4,069
Susquehanna [27]	9	19 30	22	7 18	22	17 10	23	6 50	Venezuelan	Venezuela Gulf Oil Co.	241 5	41.3	....	Balboa, C. Z	Maracaibo, Ven	[23]	....	....	....
Epidauro	21	14 45	22	7 42	22	17 15	22	18 20	Yugo Slav	J. Rucic-Zagreb	360 0	48.0	24 0	Chicama, Peru	Cobh, I. F. S.	Granulated sugar	6,140	4,622	3,412
Ario [1]	21	15 50	22	7 52	22	18.15	24	3 50	American	Standard Transp. Co.	435 6	56.2	28.0	Los Angeles, Calif	Cristobal, C. Z.	Fuel oil	10,325	7,386	5,117
Eastern Moon	21	17 50	22	8.44	22	18 50	22	19.45	American	Roosevelt Shipping Co.	384.8	51.3	17.0	Adelaide, Australia	New York, N. Y.	Wool, general	1,054	5,904	4,321
Robert E. Hopkins [1]	21	19 50	22	8 59	22	19 35	22	19 35	American	Tidewater Oil Co	424.4	53.2	26 9	Los Angeles, Calif.	New York, N. Y.	Crude oil	10,316	7,333	5,182
Noordendijk	22	4 00	22	9 44	22	20 50	23	11 53	Dutch	Holland-American Line	469.86	53.05	27 6	Vancouver, B. C.	Rotterdam, Holland	General	9,086	8,888	6,612
J. M. Danziger [1]	22	9 00	22	10 21	22	21 45	22	21 25	American	Pan-Amer. Pet. & Tr. Co.	430.0	53.2	27.6	Los Angeles, Calif.	Providence, R. I.	Fuel oil	10,000	6,963	4,886
O-10 [28]	....	....	22	10.40	22	23 05	....	....	American	U. S. Navy	....	....	....	Balboa, C. Z.	Coco Solo, C. Z.	....	....	....	....
Firmore	22	10 30	22	11 30	22	22 37	22	22 37	American	Cre S. S. Corp	449.1	57.2	29.0	Cruz Grande, Chile	Baltimore, Md	Iron ore	11,600	7,847	5,185
Finn [25]	22	13.00	22	14.27	22	23.15	22	23.15	Swedish	General S. S. Corp	271.22	41.03	18.0	Portland, Oreg	Habana, Cuba	Lumber, general	2,504	2,472	1,513
William Rockefeller [1]	22	13.45	22	15.01	23	16 50	23	16.50	American	Standard Oil Co. of N.J.	554.9	75.3	32.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	20,243	14,785	10,313

[1] Tanker. [2] Tug—Came South for dry-docking only. [23] Barge—Came South for dry-docking only. [24] Submarine. [25] Towed by tug *Gorgona*. [26] For orders. [27] Motor ship.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

*ARRIVALS.

Date.	Vessel.	Line.	From—
January 16	Heredia	United Fruit Co	New Orleans via Habana.
January 18	Cleveland [26]	U. S. Navy	Bluefields, Nicaragua.
January 19	Turrialba	United Fruit Co	New Orleans via wayports
January 19	Heredia	United Fruit Co	Port Limon, Costa Rica.
January 19	Carrillo	United Fruit Co	New York via Kingston.
January 19	Cristobal	Panama R. R. S. S. Line	New York via Haiti.
January 19	Bienvenido	Welcome S. S. Co	Guanta, Venezuela.
January 19	Linda S. [27]	Surgeon Brothers	Colon, Rep. of Panama.
January 19	Maria Cristina [27]	A. Tagaropulos	Colon, Rep. of Panama.
January 19	Flor de Panama	A. Tagaropulos	Colon, Rep. of Panama.
January 19	Caberia [27]	A. Tagaropulos	Colon, Rep. of Panama.
January 19	Convert [27]	A. Ferrari	Colon, Rep. of Panama.
January 20	Sixaola	United Fruit Co	Colombian ports.
January 20	San Gil	United Fruit Co	Bocas del Toro, R. P.
January 20	Ceiba	Standard Fruit S. S. Co	New Orleans, La.
January 20	Ulua	United Fruit Co	New York via wayports.
January 20	Convert [27]	A. Ferrari	Colon, Rep. of Panama.
January 21	San Jose	United Fruit Co	Puerto Colombia, Colom.
January 21	Ceiba	Standard Fruit S. S. Co	San Blas, Rep. of Panama.
January 22	St. Heliers [28]	Huasteca Petroleum Co	Aruba, D. W. I.
January 22	Camito	Elders & Fyffes, Ltd	Avonmouth via wayports.
January 22	Orca	Royal Mail S. P. Co	New York via wayports.
January 22	M. F. Benefit [29]	F. Britton	Colon, Rep. of Panama.

*DEPARTURES.

Date.	Vessel.	Line.	For—
January 16	Stuyvesant	Royal Netherlands W. I. Mail	Amsterdam via wayports.
January 16	Heredia	United Fruit Co	Port Limon, Costa Rica.
January 16	Denver [26]	U. S. Navy	Bluefields, Nicaragua.
January 19	Linda S. [27]	Surgeon Brothers	Bluefields, Nicaragua.
January 19	Heredia	United Fruit Co	New Orleans via Habana.
January 19	Flor de Panama	A. Tagaropulos	Colon, Rep. of Panama.
January 19	Maria Cristina [27]	A. Tagaropulos	Colon, Rep. of Panama.
January 19	Caberia [27]	A. Tagaropulos	Colon, Rep. of Panama.
January 19	Convert [27]	A. Ferrari	Colon, Rep. of Panama.
January 20	Cleveland [26]	U. S. Navy	Bluefields, Nicaragua.
January 20	Carrillo	United Fruit Co	Colombian ports.
January 20	Sixaola	United Fruit Co	New York via Kingston.
January 20	San Gil	United Fruit Co	Boston via wayports.
January 20	Turrialba	United Fruit Co	New Orleans via wayports.
January 20	Relay [30]	All America Cables	Gulf ports.
January 20	Bienvenido	Welcome S. S. Co	Guanta, Venezuela.
January 20	Ceiba	Standard Fruit S. S. Co	San Blas, Rep. of Panama.
January 21	Ulua	United Fruit Co	New York via wayports.
January 22	Camito	Elders & Fyffes, Ltd	Bristol via wayports.
January 22	San Jose	United Fruit Co	New York via Habana.
January 22	Ceiba	Standard Fruit S. S. Co	New Orleans, La.
January 22	M. F. Benefit [29]	F. Britton	Bluefields, Nicaragua.

[26] Cruiser. [27] Motor schooner. [28] Tug. [29] Schooner. [30] Cable ship.

PORT OF BALBOA.

Date.	Vessel.	Line.	For—
January 17	Mojave	General Petroleum Co	Los Angeles, Calif.
January 18	Hampton Roads	Oil Transport Co	Los Angeles, Calif.
January 22	Nora	Grace Line	Los Angeles, Calif.

Date.	Vessel.	Line.	For—
January 19	Almirante Grau [26]	Peruvian Government	La Union, Salvador.
January 19	Coronel Bolognesi	Peruvian Government	La Union, Salvador.
January 19	R-1 [31]	Peruvian Government	La Union, Salvador.
January 19	R-2 [31]	Peruvian Government	La Union, Salvador.
January 19	Mojave	General Petroleum Co	Los Angeles, Calif.
January 20	Hampton Roads	Oil Transport Co	Los Angeles, Calif.

[31] Submarine.

* Other than ships passing through the Canal.

Notice to Mariners—Aids to Navigation.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., January 25, 1927.

The port authorities at Buenaventura, Colombia, have advised the Marine Division on January 24th as below:

An entrance buoy has been reestablished, but in a new position, at latitude 3° 46′ north, and longitude 77° 19′ west, in 24′ low water; characteristics: White flash of 3 seconds duration, dark 2.7 seconds, visibility 8 miles. Ships entering must pass to northward of the buoy. Old position of buoy on chart should be erased.

M. L. WALKER,
Governor.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending January 22, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Stuyvesant	Royal Netherlands W. I. Mail.		January 16		538
Puerto Rico	French Line		January 16		591
Arkansas	French Line		January 16		227
Heredia	United Fruit Co	January 16.	January 16	472	198
Guayaquil	Panama Railroad S. S. Line	January 16.	January 17.	942	2,080
Alkmaar	Royal Netherlands W. I. Mail.		January 17		400¼
Apurimac	Peruvian Line	January 16.	January 18	793	48
Atto	Roland Line	January 16.	January 21	125	355
Witell	Roland Line	January 17.	January 18.	(1)	216
Venezuela	Italian Line	January 17.	January 18	168½	78
Sonora	French Line	January 18	January 20	193	233
Heredia	United Fruit Co	January 19.	January 19.	5½	521
Turrialba	United Fruit Co	January 19	January 20	568	16
Venezuela	Panama Mail S. S. Co	January 19.	January 20	924	16
Carrillo	United Fruit Co	January 19.	January 20.	165	498
Linda S	R. Feuillebois	January 19	January 19.	(1)	46
Eemdijk	Holland-American Line	January 19.	January 20	226	517
Legazpi	Spanish Line	January 19.	January 20.	184	(3)
Cristobal	Panama Railroad S. S. Line	January 19	January 23	3,648	672
Sisaola	United Fruit Co	January 20.	January 20	1	58
Leon XIII	Spanish Line	January 20	January 22	283	453
Ceiba	Standard Fruit S. S. Co	Jnuary 20.	January 20	544	5½
Anstir	Roland Line	January 20	January 21.	374	249
San Gil	United Fruit Co	January 20.	January 20.	105	19
Una	United Fruit Co	January 20.	January 21.	328	7
Ceiba	Standard Fruit S. S. Co	January 21	January 22	(1)	202
San Jose	United Fruit Co	January 21.	January 22.	3	116
M. F. Benefit	Colon Import & Export Co	January 22	January 22.	(1)	10
Camito	Elders & Fyffes, Ltd	January 22	January 22.	6	(3)
Ario	Standard Transportation Co	January 22		10,325	
City of Panama	Panama Mail S. S. Co		January 22.		2,278

[1] No cargo discharged. [2] 158 pounds. [3] No cargo laded.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending January 22, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Mojave	Standard Transportation Co	January 17.	January 17.	10,215	
Arago Maru	Nippon Yusen Kaisha	January 18.	January 18.	144	
Hampton Roads	Oil Transport Co	January 18.	January 20	10,988	
Venezuela	Panama Mail S. S. Co	January 19.	January 19	232	
City of Panama	Panama Mail S. S. Co.	January 22.	January 22.		2

Postal and Cable Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers)". Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective January 25, 1927:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.23
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.44
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.17
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.15
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.12
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.18
Waste, cotton, white	Lb.	.20

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines, and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 709,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

Licensing of Industrial Truck Operators.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., January 18, 1927.

CIRCULAR No. 723-3.

1. By virtue of the authority contained in Section 5 of the Executive Order of October 9, 1918, providing for the licensing of chauffeurs in the Canal Zone, and Executive Order of October 30, 1920, the following rules to govern the issuance of licenses to operators of industrial trucks are established:

(a) Application and examination for and issuance of licenses of industrial truck operators will be made on the form and under the procedure described in Panama Canal Circular No. 723, dated November 23, 1918.

(b) The license card issued will specifically state that the holder is authorized to operate only industrial trucks and will be of different color than that issued to operators of automobiles and motorcycles.

M. L. WALKER,
Governor.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will always save time by applying to the nearest American Consul.

Ships' Chandlery Supplies.

Panama Canal storehouses stock a complete line of ships' chandlery supplies available for sale to shipping at cost prices plus 25 per cent surcharge, which surcharge includes freight, handling, and other costs.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

Subscription rates, domestic, $0.50 per year; foreign, $1.00; address The Panama Canal Record, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office at Cristobal, C. Z., under the Act of March 3, 1879.

Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., February 2, 1927. No. 26.

Transit of British Battle Cruiser "Renown" with Duke and Duchess of York.

The British battle cruiser *Renown*, carrying the Duke and Duchess of York and party arrived at Cristobal, on the way to New Zealand and Australia, at 6 a. m., January 25, 1927, and proceeded immediately through the Canal. The *Renown* was escorted into the harbor by the United States battleship *Arkansas*, which had arrived at Cristobal from Guantanamo for the purpose on January 23, and Navy planes, and from Cristobal to Gatun by Army planes.

At Gatun Locks the *Renown* was met by a party of Isthmian officials and Army and Navy officers and the royal party disembarked in the lower level where military honors were rendered to the Duke and an inspection of the locks and spillway was made, reboarding in the upper level. The *Renown* docked at Pier 6, Balboa, at 5 p. m. In the evening of the 25th a reception was held at the newly completed British Legation in Panama, and the following day was occupied with official calls and addresses. The *Renown* sailed at 4.15 p. m., January 26, for the Marquesas Islands. On January 10, the British tankship *Delphinula* passed through the Canal bound for the Marquesas with 6,279 tons of fuel oil, reported to be for refueling the *Renown*.

The *Renown*, with an over-all length of 795 feet, beam of 103 feet, and a displacement tonnage at the time of this transit of 37,000 tons, is the second largest ship to transit the Canal, having been exceeded in size only by H. M. S. *Hood*, length 860 feet 7 inches, beam 105 feet 2½ inches, and displacement tonnage of 44,799 tons, which made the transit on July 23 and 24, 1924. This is the third time the *Renown* has been through the Canal; she made the transit, carrying the Prince of Wales en route to New Zealand, on March 30, 1920, and returning September 13, 1920. On the two earlier transits her beam was 91½ feet and her displacement tonnage 33,379. The increase in beam and tonnage is due to torpedo protection having been built at or under the water line. All transits, including that of the *Hood*, were made without especial incident though on the transit of January 25, 1927, the *Renown* was held back in order to have the advantage of an incoming tide in the Pacific sea level channel. The clearance on either side in the lock chambers on the last transit of the *Renown* was 3½ feet and for the *Hood* was 2 feet 4¾ inches.

Under date of January 27, the Governor of The Panama Canal issued the following circular to all concerned:

During their recent stay in the Canal Zone Their Royal Highnesses the Duke and Duchess of York expressed great admiration for the American achievement in the Canal Zone and their appreciation of the good work done in handling the *Renown* through the Canal and at the docks, and of the courtesies extended them while here.

To the above I wish to add the sincere appreciation of the undersigned of the way in which the organization met the demands made upon it, reflecting as it does great credit upon our Nation and our organization.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, January 29, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Steeloce	21	22 50	23	4 00	23	14 51	23	16.05	American	Ore S. S. Corp	550.3	72.2	21.6	Norfolk, Va	Cruz Grande, Chile	Ballast		15,551	4,297
Pacific Fir	22	15 40	23	5 18	23	15.17	23	16.25	American	Ocean Transport Co	410.5	54.0	15.3	New York, N. Y.	Seattle, Wash	Coal, general	1,002	6,622	4,882
Rochester [2]	22	7.20	23	6.00	23	16 15	24	11.24	American	U. S. Navy	380.0	64.0	29.0	Bluefields, Nic'gua.	Balboa, C. Z	Ballast			
Lubrico [1]	22	21 50	23	6.40	23	17.06	23	20.08	American	Atlantic Refining Co	425.0	57 2	23.0	Philadelphia, Pa	Los Angeles, Calif	Ballast		7,227	4,827
Planorbis [1]	22	22 35	23	7 50	23	17 46	23	23.50	British	Anglo-Saxon Pet. Co	411.0	53.0	21.9	Rotterdam, Holland	Los Angeles, Calif	Ballast		6,262	4,340
Kohuhu [1]	23	1.15	23	9 00	23	18.02	25	1.55	American	Chile S. S. Co	391.8	51.3	17.0	Mobile, Ala	Los Angeles, Calif	Ballast		5,549	3,955
Pear Branch	23	1 50	23	9 20	23	18.45	23	20.08	British	Gulf Line, Ltd	398.0	53.8	20.7	Liverpool, England	Valparaiso, Chile	General	2,362½	5,760	3,866
Cities Service Petrol [1]	23	7.45	23	10 20	23	19 33	23	21 05	American	Cities Service Corp	468.3	62.7	18.0	Boston, Mass	Los Angeles, Calif	Ballast		9,802	7,292
Baltic [1]	23	10 37	23	11 05	23	20.25	24	3.30	Danzig	Standard Oil Co	508.0	64.0	20.0	New York, N. Y.	Talara, Peru	Ballast		10,550	7,888
Ario [1]	22	18 15	24	3 50	24	14 12	24	15.10	American	Standard Transp. Co	436.0	56.0	21.3	Cristobal, C. Z	Los Angeles, Calif	Ballast		7,386	5.117
Dreschdijk [3]	23	10 05	24	5 00	24	15 03	24	15.55	Dutch	Holland-American Line	485.0	62.0	19.7	Rotterdam, Holland	Vancouver, B. C	General	2,314½	10,793	7,619
Swan [1]			24	6.05	24	16 05			American	C. S. Navy	180.0	35.6		Cristobal, C. Z	Balboa, C. Z				
O-7 [5]			24	6 05	24	16 05			American	U. S. Navy	172.4	18.0		Cristobal, C. Z	Balboa, C. Z				
O-4 [5]			24	6 05	24	16.07			American	U. S. Navy	172.4	18.0		Cristobal, C. Z	Balboa, C. Z				
O-6 [5]			24	6 05	24	16.07			American	U. S. Navy	172.4	18.0		Cristobal, C. Z	Balboa, C. Z				
Catherine G. Sullen	23	15 53	24	6 10	24	16 19	24	17 20	American	Sudden & Christensen	277.0	43.0	15.10	Baltimore, Md	San Francisco, Cal	Steel	923	2,404	1,506
Bert E. Harvey	23	20 05	24	6 55	24	16 56	25	1.38	American	Sterling S. S. Co	266.6	46.1	20.0	Curacao, D. W. I	Los Angeles, Calif	Ballast		2,416	1,486
Springbank [3]	23	16 25	24	7 55	24	17 05	24	18.20	British	Bank Line, Ltd	420.3	53.9	26 0	Guayabal, Cuba	Yokohama, Japan	Sugar	7,994	7,110	4,996
Watertown [1]	24	3 55	24	8 40	24	17 37	24	20 18	American	Crew, Levick & Co	416.9	56.2	17.0	Philadelphia, Pa	Los Angeles, Calif	Ballast		6,717	4,778
Arizonian	24	7 53	24	9 40	24	17 55	24	19 09	American	Amer.-Hawaiian Line	470.1	57.2	17.0	Baltimore, Md	Portland, Oreg	General	2,516	9,141	6,684
Petrinola [1]	24	8 18	24	10 10	24	18.45	24	22 51	British	Anglo-Saxon Pet. Co	412.0	53.3	17.0	Hull, England	Los Angeles, Calif	Ballast		6,319	4,373
San Tiburcio [1]	24	10 05	24	12.05	24	19 45	25	18 28	British	Anglo-Mexican Pet. Co	413.0	53.4	17.6	Wallsend-on-Tyne	Los Angeles, Calif	Ballast		5,997	4,069
Baralt	24	6 40	24	12 30	24	21 53			Dutch	Royal Neth. W. I. Mail	290.0	33.1	11.9	Curacao, D. W. I	Balboa, C. Z	(7)			
Point Fermin	24	11.07	24	12.40	24	21.53	25	00.52	American	Swayne & Hoyt	324.0	46.2	22.8	New Orleans, La	San Francisco, Cal	General	4,371	3,984	2,617
Malayan Prince [1]	24	13 00	24	13.50	24	22.40	25	00.20	British	Rio Cape Line	441.6	60.0	25.5	Newport News, Va	Manila, P. I	General	6,777	9,209	6,245
Hans Leonhardt [1]	22	12 45	25	3.55	25	11.25	25	19.50	German	Colombian Transp. Co	230.8	36.0	15.3	New York, N. Y	Buenaventura, Col	Cement, mach'y	1,411	1.568	909
Amasis	24	1 40	25	4 40	25	12 50	25	14.00	German	Kosmos Line	438.7	55.0	23.1	Hamburg, Germany	San Antonio, Chile	General	6,088	7,287	5,174
Renown [6]	25	5 50	25	6 30	25	16 54	26	17.40	British	Royal British Navy	754.0	103.0	31.6	Kingston, Jamaica	Australia				
Phoenix [1]	24	18.45	25	8 27	25	17.10	26	18.23	American	Amer. Tankers Corp	490.8	54 3	21.2	New York, N. Y	Los Angeles, Calif	Ballast		6,336	4,389
Eurana	24	21 20	25	9 25	25	18 20	25	19.40	American	Isthmian S. S. Lines	399.7	56.2	27.5	Baltimore, Md	Tacoma, Wash	Steel, general	8,361	7,381	5,595
Sudurco	23	7.00	25	10 35	25	19 25	25	20.50	American	Transmarine Lines	324.0	46.2	22.1	New York, N. Y	Los Angeles, Calif	General	3,715	3,984	2,636
Robin Adair	25	1.15	25	11.50	25	20.26	25	23.49	American	Seas Shipping Co	424.8	55.2	23.0	Baltimore, Md	Kahului, Hawaii	Steel products	8,829	7,470	5,529
Cedarbank [3]	25	4 00	25	12 40	25	21 10	25	22.10	British	Bank Line, Ltd	420.0	53.9	26.0	Port Art'ur, Tex	Darien, China	(8)	8,032	7,099	5,016
Epsom	25	7 47	25	23.00	26	10.22	26	11.50	British	Brit. Em. Steel Pro'cts	370.0	50.6	24.0	Sydney, C. B	Vancouver, B. C	(9)	6,185	4,945	3,468
Camden [1]	24	14 55	26	00.45	26	9.25	26	10.24	American	United Fruit Co	419.5	56.5	17.3	Cristobal, C. Z	Los Angeles, Calif	Ballast		6,977	4,959

[1] Tanker. [2] Cruiser. [3] Motor ship. [4] Mine sweeper. [5] Submarine. [6] British battleship. [7] Dry dock for repairs. [8] Case oil and products. [9] Steel rails and products.

Medon	25	13.35	26	1.45	26	13.00	26	14.00	British	Alfred Holt & Co.	406.5	52.0	25.0	New York, N. Y.	Shanghai, China	(13)	6,504	6,384	4,551
Willpolo	25	21.15	26	3.10	26	13.51	26	15.00	American	Williams S. S. Line	386.8	52.2	17.11	New York, N. Y.	Seattle, Wash.	General	3,134	5,680	4,080
Orient	26	7.15	26	7.25	26	14.40	26	15.49	American	Oriental Nav. Co.	376.4	52.3	17.0	Philadelphia, Pa.	Portland, Oreg.	General	2,985	5,455	3,879
Iowan	26	7.20	26	8.15	26	15.13	26	16.15	American	Amer.-Hawaiian Line	407.7	53.7	21.8	Boston, Mass.	San Francisco, Cal.	General	4,561	7,091	5,002
Ramapo [1]	26	8.57	26	9.05	26	17.43	27	1.00	American	U. S. Navy	461.6	60.0	15.6	Guantanamo, Cuba	Los Angeles, Calif.	Ballast			
Colombia	25	12.30	26	9.23	26	17.35	27	00.55	American	Panama Mail S. S. Co.	380.0	48.0	21.8	New York, N. Y.	San Francisco, Cal.	General	1,747	6,015	4,281
Lewis Luckenbach	26	5.50	26	10.30	26	18.23	26	19.35	American	Luckenbach Line	496.0	68.2	24.10	New York, N. Y.	Seattle, Wash.	General	7,120	11,487	8,762
Bologna	25	7.22	26	11.10	26	19.16	26	20.55	Italian	Italian Line	384.0	46.0	20.10	Genoa, Italy	Valparaiso, Chile	General		5,531	3,774
Amerikaland [3]	26	8.40	26	11.30	26	20.25	27	2.50	Swedish	Ore S. S. Corp.	561.0	72.0	18.0	Baltimore, Md.	Cruz Grande, Chile	Ballast		15,560	4,496
Capt. Harry Smith [10]			25		25	12.14			American	U. S. Army				Cristobal, C. Z.	Gatun, C. Z.				
			26		26				American	L. B. Carr				Cristobal, C. Z.	Balboa, C. Z.			13	13
Cyclone [10]																			
Agnes E. [14]	25	22.40	27	2.55	27		27	11.00	Panaman	Pacific Fruit Co.	58.0	20.0	6.0	Cristobal, C. Z.	Panama, R. P.	Ballast		57	29
Santa Ana	26	21.10	27	3.10	27	13.39	27	17.30	American	Grace Line	360.2	51.6	24.3	New York, N. Y.	Talcahuano, Chile	General	2,676	5,776	4,081
Salinas [1]	24	4.20	27	4.04	27	14.15	27	18.37	American	U. S. Navy	463.0	60.0	18.6	Cristobal, C. Z.	Los Angeles, Calif.	Ballast			
California	26	13.00	27	6.15	27	14.09	27	19.57	British	Anchor Line	553.0	70.4	27.0	New York, N. Y.	Around the world	Passengers only		17,914	12,531
Pacific Trader [3]	25	15.05	27	7.00	27	14.58	27	19.30	British	Furness, Withy & Co.	420.5	58.5	24.3	Glasgow, England	Vancouver, B. C.	General, bananas	1,839	7,905	5,869
Stanley	26	22.05	27	8.38	27	15.56	27	23.43	American	American-Pioneer Line	401.7	54.8	21.10	New Orleans, La.	Shanghai, China	General	4,460	6,933	5,187
Durango [1]	27	9.12	27	9.45	27	16.48	27	18.02	American	C. D. Mallory & Co.	435.0	56.0	24.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,643	5,301
Scania [3]	26	16.05	27	9.45	27	17.39	27	18.47	Swedish	Comp. Col. Trans.	180.7	29.0	9.6	New York, N. Y.	Buenaventura, Col.	Cement	430	720	421
Loriga [3]	25	13.05	27	13.45	27	20.45	28	4.00	British	Pacific Steam Nav. Co.	496.5	54.2	16.8	Glasgow, England	Valparaiso, Chile	General	1,400	7,331	5,091
Jacksonville [3]	27	7.07	28	3.00	28	10.15	28	17.15	American	Grace Line	333.0	48.0	20.10	New York, N. Y.	Antofagasta, Chile	General	2,291	4,128	2,664
Marore	27	9.47	28	4.20	28	12.51	28	14.10	American	Ore S. S. Corp.	559.3	72.2	21.8	Norfolk, Va.	Cruz Grande, Chile	Ballast		15,551	4,297
Steel Worker	27	19.03	28	5.25	28	13.38	28	14.50	American	U. S. Steel Products	424.2	56.2	26.0	Charleston, S. C.	Shanghai, China	General	8,138	7,611	5,497
President Van Buren	28	6.00	28	7.00	28	14.17	29	00.05	American	Dollar Line	502.1	62.2	27.0	New York, N. Y.	Around the world	General	4,749	12,023	8,495
Anglo-Egyptian	28	2.50	28	7.25	28	15.42	28	17.15	British	Nitrate Producers Co.	425.0	56.0	29.8	Galveston, Tex.	Port Pirie, Aust.	Sulphur	9,350	7,472	5,262
Abessinia	27	11.00	28	8.40	28	16.17	28	18.05	German	Hamburg-American Line	237.0	35.9	18.0	Bremen, Germany	Buenaventura, Col.	General	1,684	1,647	1,077
Eelbeek	28	4.40	28	9.15	28	17.10	29	2.00	American	American-Pioneer Line	491.7	54.6	20.0	Port Arthur, Tex.	Manila, P. I.	General, case oil	5,392	6,928	5,103
Ontariolite [3] [1]	28	8.37	28	10.15	28	18.47	28	22.45	British	Imperial Oil Co., Ltd.	470.0	63.0	22.0	Charleston, S. C.	Los Angeles, Calif.	Ballast		9,191	6,051
William H. Doheny [1]	28	9.50	28	11.00	28	18.55	28	20.00	American	Huasteca Petro'eum Co.	435.0	56.2	23.6	Norfolk, Va.	Los Angeles, Calif.	Ballast		7,405	5,111
Breda	27	9.25	29	2.50	29	9.37	29	24.00	Dutch	Royal Neth. W. I. Mail	402.0	58.0	22.2	Amsterdam, Holl.	Corral, Chile	General	3,446	7,384	4,769
Hawaii Maru	28	14.50	29	4.05	29	11.36	29	12.55	Japanese	Osaka Shosen Kaisha	475.0	61.0	20.11	Buenos Aires, Arg.	Kobe, Japan	General	5,801	10,173	7,354
Herakles	28	19.25	29	5.40	29	13.33	29	14.40	Norwegian	DuPont Powder Co.	389.8	54.1	15.3	Norfolk, Va.	Iquique, Chile	Ballast		5,680	4,220
Chiman [3]	23	19.45	29	5.40	29	13.31	30	00.35	Panaman	National Navigation Co	116.0	21.0	9.4	Cristobal, C. Z.	Buenaventura, Col	General	274	211	124
Reuben James [12]	28	16.30	29	6.27	29	12.20	29	15.10	American	U. S. Navy	310.0	31.0	11.0	Gonaives, Haiti	Corinto, Nicaragua	Ballast			
Memphis City	29	7.08	29	7.30	29	15.13	29	16.20	American	Isthmian S. S. Lines	424.0	56.0	26.0	New Orleans, La.	Darien, China	(14)	7,681	7,611	5,450
Silvercedar [3]	29	11.23	29	11.40	29	18.30	29	19.45	British	Kerr S. S. Co.	375.0	52.6	24.0	New York, N. Y.	Yokohama, Japan	General	6,546	6,091	4,681
West Mahwah	29	8.55	29	12.05	29	19.26	29	20.40	American	McCormick S. S. Co.	410.0	52.0	23.10	Montevideo, Urug.	San Francisco, Cal.	(15)	7,465		
S. C. T. Dodd [1]	29	12.45	29	13.00	29	20.12	30	00.53	American	Standard Oil Co.	425.0	57.2	17.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,481	4,975

[1] Tanker. [10] Launch. [11] Motor schooner. [12] Destroyer. [13] Cotton, tin plates, iron, and general. [14] Rails, cotton, and general. [15] Coffee, cocoa, maize, hides, bones, machinery, and general.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Aladdin [1]	22	13.00	23	6.11	23	17.25	23	17.25	American	Standard Transp. Co.	435.6	56.2	26.6	Los Angeles, Calif.	Baltimore, Md.	Gasoline	8,972	7,408	5,112
Trontolite [3] [1]	21	5.00	23	7.25	23	18.55	23	18.55	British	Imperial Oil Co., Ltd.	420.8	57.0	29.3	Los Angeles, Calif.	Halifax, N. S.	Crude oil	9,765	7,226	4,649
Ballena	22	18.45	23	8.08	23	19.15	23	20.55	British	Pacific Steam Nav. Co.	400.0	52.0	26.3	Chicama, Peru	Greenock, Scotland	Sugar	7,130	5,816	4,114
Chiman [3]	22	14.30	23	7.58	23	19.45	29	5.40	Panaman	National Navigation Co.	116.0	21.1	9.9	Buenaventura, Col.	Cristobal, C. Z.	(16)	228	211	124

[1] Tanker. [16] Coffee, gold, and platinum.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Sacré Cœur	22	19 30	22	8 24	23	20 44	24	12 05	French	French Line	414.75	54.25	26.0	Iquique, Chile.	Le Havre, France.	General	7,341	5,857	4,166
Hanford [1]	23	1 00	23	9 16	23	21 10	22	21 10	American.	Cities Service Trans. Co.	435.6	56.2	29.0	Los Angeles, Calif	Philadelphia, Pa.	Fuel oil	10,700	7,426	5,094
Tenaru	22	2 34	23	9 49	23	22 00	23	2 00	American	Amer-Hawaiian Line.	471.0	57.2	27.0	Seattle, Wash	Boston, Mass	General	8,867	9,154	6,903
R. M. Stewart	23	6 30	23	10 15	23	22 50	23	22 50	American	Pan-Amer. Pet. & Tr. Co.	467.6	62.7	27.9	Los Angeles, Calif	New York, N. Y.	Fuel oil	12,836	9,353	6,874
Aurland	23	8 00	23	10 35	23	23 45	27	23 45	Norwegian.	Dupont de Nemours Co.	400.0	52.0	26.3	Iquique, Chile.	New Orleans, La	Nitrate	7,700	6,698	4,990
Charles R. Nordstrom	23	10 00	23	10 50	24	10 25	24	00 25	American	Murray McCorkle Line	491.45	53.2	26.0	Powell River, B. C.	Baltimore, Md	Lumber, general.	7,013	7,082	5,167
Lake Gonzalez	23	5 30	23	12 08	24	2 18	24	15 35	American	Mobile Lines, Inc.	251.0	43.6	22.8	Iquique, Chile	New Orleans, La	General	3,305	....	....
Gandara	23	13 15	23	13 50	24	2 55	26	00 45	American	United Fruit Co	419.5	56.5	26.0	Los Angeles, Calif	Cristobal, C. Z	Fuel oil	9,018	6,977	4,959
U. S. S. Salinas	23	14 30	23	15 40	24	3 2	27	1 00	American	U. S. Navy	463.0	60.0	27.3	Los Angeles, Calif	Cristobal, C. Z	Fuel oil	10,337	....	....
Esmeralda Arrow	23	22 00	24	6 13	24	19 [illegible]	24	19 2	American.	Standard Transp. Co.	468.3	62.7	26.9	Los Angeles, Calif	New York, N. Y.	Gasoline	11,261	9,841	6,946
Sylvan Arrow [1]	23	22 35	24	6 32	24	19 5	24	21 05	American	Standard Transp. Co.	467.6	62.7	27.6	San Francisco, Cal	Boston, Mass	Gasoline	11,296	9,698	6,862
W. L. Street	24	5 00	24	7 2	24	21 16	24	21 10	American	Pan-Amer. Pet. & Tr. Co.	446.8	56.1	28.4	Los Angeles, Calif	Baltimore, Md	Gasoline in bulk	8,400	6,570	4,795
Lauritz Christensen	23	14 00	24	7 51	24	21 55	24	21 55	American	Sudden & Christensen.	410.5	54.3	24.9	Portland, Oreg	Baltimore, Md	Lumber	7,440	6,572	4,788
Inger	24	2 00	24	8 11	24	22 15	25	00 5	Norwegian.	Wenge & Co	375.8	51.4	24.2	Antofagasta, Chile.	Santander, Spain.	Nitrate	6,257	5,456	3,797
Gerlach	24	3 30	24	9 05	25	12 05	25	00 05	American	N. O. & S. A. S. S. Co	299.4	45.0	19.6	San Antonio, Chile	New Orleans, La	Nitrate of soda	2,623	3,256	2,010
Pereira [17]	23	15 00	24	9 20	25	3 10			Ecuadorian	Lloyd Colombia	150.0	27.2	10.6	Puenaventura, Col.	Cristobal, C. Z	(22)	43	410	307
Kalhara	24	9 45	24	11 57	25	3 00	25	11 40	Norwegian.	D. Steen	416.2	53.6	27.6	Sydney, Australia.	Naples, Italy.	Wheat in bags.	8,107	7,062	5,063
Fossa [1]	24	4 30	24	12 40	25	3 55	25	5 55	Norwegian.	Fred Olsen & Co	362.4	51.4	25.6	Vancouver, B. C.	Oslo, Norway	General	6,272	5,242	3,706
Archer	24	4 42	24	13 00	25	5 35	25	5 35	American.	American-Pioneer Line	449.2	56.0	27.0	Manila, P. I.	New York, N. Y.	General	9,975	8,315	6,100
J. B. Gordon [1]	24	18 30	25	6 18	25	17 55	25	21 52	American.	Union Sulphur Co	409.8	54.2	23.6	Gray's Har., Wash.	New York, N. Y	Lumber	6,540	6,581	4,784
Agwiryan [1]	24	22 42	25	7 22	25	18 3	25	18 2	American	International S. S. Co.	468.3	62.2	29.0	Los Angeles, Calif	New York, N. Y.	Crude oil	13,000	9,776	6,903
Indiana	25	0 55	25	8 42	25	19 25	25	19 25	American	Weyerhaeuser Tim. Co	449.0	56.0	28.0	Vancouver, B. C.	Boston, Mass.	Lumber	9,000	8,299	6,087
Isonomia [1]	25	8 15	25	9 45	25	22 55			Panamanian	W. L. Conyn	349.4	49.6	22.0	Vancouver, B. C.	Fayal [21]	Wheat	5,128	4,238	3,030
Agate [18]	25	12 50	25	13 31	25	22 40	27	2 55	Panamanian.	Pacific Fruit Co	57.8	19.7	9.0	Panama Bay, R. P	Cristobal, C. Z	Bananas	12	57	29
Horace Luckenbach	25	19 00	25	11 00	25	21 05	25	22 45	American	Luckenbach Line	445.0	58.0	28.0	Portland, Oreg	Boston, Mass	General	8,292	8,699	6,363
W. W. Mills [1]	25	19 30	26	6 14	26	17 15	26	17 15	American	Pure Oil S. S. Co.	425.0	58.0	26.0	Los Angeles, Calif	New York, N. Y.	Gasoline	8,806	7,333	5,119
Eastern Mariner	26	5 00	26	7 16	26	17 55	26	17 55	American	Williams S. S. Line.	451.0	55.7	28.0	Portland, Oreg	New York, N. Y.	Lumber, copper	7,000	....	....
Jamaica	26	2 30	26	8 45	26	21 10			British	Pacific Steam Nav. Co	220.0	34.0	13.0	Champerico, Guat	Cristobal, C. Z	General	5054	1,170	622
E. L. Russell [19]	11	16 16	26	8 57	26	17 05	27	6 50	Venezuelan	Venezuela Gulf Oil Co.	108.9	22.6	10.0	Paiboa, C. Z.	Maracaibo, Ven.	Ballast		....	....
Taiyo Maru.	26	7 00	26	9 18	26	20 21	26	22 40	Japanese.	Bano de Kab. Kaisha	439.0	51.4	23.4	Prince Rupert, B.C.	Norfolk, Va [20]	Wheat	6,704	....	....
Jumata [19]	11	16 16	26	10 04	26	21 08	27	6 50	Venezuelan	Venezuela Gulf Oil Co.	244.0	42.8	....	Paiboa, C. Z.	Maracaibo, Ven.	(23)	....	....	....
Finnard.	25	22 30	26	11 36	26	19 12	26	19 35	American	Panama-Pacific Line	560.0	60.2	29.6	San Francisco, Cal.	New York, N. Y.	General	6,332	13,559	9,016
Hanover	26	7 22	26	12 30	26	22 15	27	7 00	American	Atl. Gulf & Oriental Line	425.0	57.7	25.9	Manila, P. I.	Boston, Mass	General	8,675	7,982	5,911
Argon [1]	27	00 30	27	6 17	27	14 10	27	14 10	American	Standard Transp. Co	435.6	56.1	22.7	Los Angeles, Calif	New York, N. Y.	Gas, oil, etc.	9,566	7,386	5,183
Myrtle	26	16 30	27	7 00	27	15 00	27	15 00	American	Col.-Pacific Shipping Co.	410.5	54.2	25.10.	Portland, Oreg.	Philadelphia, Pa.	(24)	6,776	6,755	4,895

[1] Tanker. [17] Motor ship. [18] Motor schooner. [19] Tug—For dry-docking only. [20] Barge—For dry-docking only. [21] For orders.

[22] Coffee, hides, and rubber. [23] Towed by tug Cocoli. [24] Lumber and empty cylinders.

Ashbee [17]	26	19.15	27	7.07	27	18.00	28	10.55	American	Grace Line	333.8	48.0	18.9	Iquique, Chile	New York, N. Y.	([27])	2,777	4,101	2,687
Bantu	26	21.30	27	8.10	27	20.55	27	23.00	American	Isthmian S. S. Lines	360.0	47.0	24.9	Caleta Colosa, Chile	Jacksonville, Fla.	Nitrate of soda	6,040	4,607	3,032
Cape Henlopen [1]	26	23.00	27	8.15	27	19.45	27	19.45	American	Cape S. S. Co.	434.8	56.2	29.3	Los Angeles, Calif.	Baltimore, Md.	Crude oil	10,500	7,425	5,202
Aconcagua	27	5.45	27	9.15	27	18.55	27	22.30	Chilean	South American Line	422.8	56.2	26.8	Valparaiso, Chile	New York, N. Y.	General	5,228	7,758	4,705
Canadian Challenger	27	7.19	27	9.50	27	21.20	28	7.32	British	Can. Gov. Mer. Marine	400.15	52.2	16.09	Brisbane, Australia	Halifax, N. S.	General	3,204	6,142	4,354
Hamburg Maru	27	4.00	27	13.16	27	22.00	27	22.00	Japanese	Osaka Shosen Kaisha	400.0	54.50	17.0	Keelung, Formosa	New York, N. Y.	General	1,932	6,094	4,301
Willsolo	27	13.00	27	14.15	27	22.50	27	22.50	American	Williams S. S. Line	434.3	57.7	27.3	Seattle, Wash.	New York, N. Y.	Lumber, general	9,450	7,983	5,882
George W. Barnes [1]	27	8.00	28	6.10	28	15.50	28	15.50	American	Huasteca Petroleum Co.	416.8	56.1	27.0	Los Angeles, Calif.	Baltimore, Md.	Gasoline	9,100	6,763	4,675
San Felix [1]	26	23.00	28	7.30	28	17.30	29	14.30	British	Eagle Oil Transport Co.	530.0	69.4	23.3	Los Angeles, Calif.	Curacao, D. W. I.	Fuel oil	9,926	13,551	9,593
Minnesotan	28	8.35	28	9.20	28	18.15	28	18.15	American	Amer.-Hawaiian Line	407.75	52.7	25.6	Portland, Oreg.	Boston, Mass.	General	6,983	7,150	4,899
O-4 [25]			28	13.15	28	21.00			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
O-6 [25]			28	13.15	28	21.00			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
O-7 [25]			28	13.20	28	21.00			American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
Swan [26]			28	13.20	28	21.00	31	6.20	American	U. S. Navy				Balboa, C. Z.	Coco Solo, C. Z.				
Swiftsure [1]	28	14.20	28	15.14	28	23.00	29	7.40	American	C. D. Mallory & Co.	465.6	60.3	27.0	Los Angeles, Calif.	Fall River, Mass.	Crude oil	11,120	8,473	6,017
Amazonas	28	13.30	29	6.22	29	18.00	30	6.25	Peruvian	Peruvian Line	350.0	42.5	22.0	Callao, Peru	New York, N. Y.	General	3,240	3,744	2,621
Tongariro	28	18.10	29	7.15	29	18.20	29	18.20	British	N. Z. Shipping Co.	478.7	62.75	25.0	Auckland, N. Z.	London, England	Frozen, general	6,780	10,817	7,585
Samuel Q. Brown [1]	29	11.00	29	11.40	29	20.00	30	3.00	American	Tidewater Oil Co.	424.4	58.2	28.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	10,801	7,333	5,780

[1] Tanker. [25] Submarine. [26] U. S. Navy tug. [27] Nitrate, ivory nuts, and rubber. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

*ARRIVALS.

Date.	Vessel.	Line.	From—
January 23	Arkansas [28]	U. S. Navy	Guantanamo, Cuba.
January 23	Cartago	United Fruit Co.	New Orleans via Habana.
January 23	Kreta	Hamburg-American Line	Hamburg, Germany.
January 23	Sebara	Kosmos Line	Hamburg, Germany, and wayports.
January 26	Convert [29]	A. Ferrari	Colon, Rep. of Panama.
January 26	Flor de Panama [29]	A. Tagaropulos	Colon, Rep. of Panama.
January 26	Maria Cristina [29]	A. Tagaropulos	Colon, Rep. of Panama.
January 26	Caberia [29]	A. Tagaropulos	Colon, Rep. of Panama.
January 26	Olga [30]	A. Tagaropulos	Colon, Rep. of Panama.
January 26	Emperador [30]	A. Tagaropulos	Colon, Rep. of Panama.
January 26	Galicia	Hamburg-American Line	Hamburg, Germany, and wayports.
January 26	Cartago	United Fruit Co.	Port Limon via Bocas del Toro, Rep. of Panama.
January 26	Abangarez	United Fruit Co.	New Orleans via Habana
January 26	Santa Marta	United Fruit Co.	New York via Kingston.
January 27	Granada	Standard Fruit S. S. Co.	New Orleans, La.
January 27	Van Renselaer	Royal Netherlands W. I. Mail	Amsterdam via wayports.

*DEPARTURES.

Date.	Vessel.	Line.	For—
January 23	Convert [29]	A. Ferrari	Colon, Rep. of Panama.
January 23	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
January 23	Cartago	United Fruit Co.	Port Limon, Costa Rica.
January 24	Kreta	Hamburg-American Line	Port Limon, Costa Rica.
January 24	Orca	Royal Mail Steam Packet Co.	New York and wayports.
January 24	Sebara	Kosmos Line	Port Limon, Costa Rica.
January 26	Convert [29]	A. Ferrari	Colon, Rep. of Panama.
January 26	Flor de Panama [29]	A. Tagaropulos	Colon, Rep. of Panama.
January 26	Maria Cristina [29]	A. Tagaropulos	Colon, Rep. of Panama.
January 26	Caberia [29]	A. Tagaropulos	Colon, Rep. of Panama.
January 26	Olga [30]	A. Tagaropulos	Colon, Rep. of Panama.
January 26	Emperador [30]	A. Tagaropulos	Colon, Rep. of Panama.
January 26	Cartago	United Fruit Co.	New Orleans via Habana.
January 27	Santa Marta	United Fruit Co.	Colombian ports.
January 27	Abangarez	United Fruit Co.	New Orleans via wayports.
January 27	Galicia	Hamburg-American Line	Port Limon, Costa Rica.
January 27	La Perla	United Fruit Co.	Boston via wayports.
January 27	Van Renselaer	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
January 27	Granada	Standard Fruit S. S. Co.	San Blas coast, R. P.

[28] Battleship. [29] Motor schooner. [30] Schooner.

* Other than ships passing through the Canal.

(Continued on page 352, column 2.)

Canal Traffic During January, 1927.

During the month of January, 1927, 443 commercial vessels and 11 small launches transited the Canal. Tolls on the commercial vessels aggregated $1,984,760.71, and on the launches $78.45, or a total tolls collection of $1,984,839.16.

The daily average number of transits of seagoing vessels for the month was 14.29, and the daily average tolls collection $64,024.54. The average amount of tolls paid by each of the commercial transits was $4,480.27, as compared with $4,358.16 for the month of December, 1926.

The largest tolls collection on any one vessel during the month was on the British cruiser H. M. S. *Renown*, which paid $18,500.

In the following tabulation the number of commercial transits and the amount of tolls collected are shown for the first 7 months of the current fiscal year, with the daily average of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
July	456	$1,980,719.67	14.71	$63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
January, 1927	443	1,984,760.71	14.29	64,024.54
Totals	3,140	13,914,400.47	14.60	64,718.14

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending January 29, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
Noorderdijk	Holland-American Line		January 23		209
Cristobal	Panama Railroad S. S. Line		January 23		672
Hans Leonhardt	Colombian Transport Co		January 25		762
Cartago	United Fruit Co	January 23	January 23	489	139
Kreta	Hamburg-American Line	January 23	January 24	(1)	1,040
Saint Louis	French Line	January 23	January 24	279	(2)
Chiman	National Navigation Co	January 23	January 29	221½	273
Drechtdijk	Holland-American Line	January 23	January 24	98	149
Sebara	Kosmos Line	January 23	January 24	200	(2)
Lake Giltedge	Mobile Liners, Inc	January 24	January 24	951	(2)
Camden	United Fruit Co	January 24	January 26	9,010	(2)
Amasis	Kosmos Line	January 24	January 25	186½	141
Floreana	Lloyd Colombiana	January 24		430	
Colombia	Panama Mail S. S. Co	January 25	January 25	775	58
Bologna	Italian Line	January 25	January 26	137	5
Agnes E.	Pacific Fruit Co	January 25	January 27	12	(2)
Pacific Trader	Furness, Withy & Co	January 25	January 27	(1)	427
Loriga	Pacific Steam Navigation Co	January 25	January 27	6	387
Jamaica	Pacific Steam Navigation Co	January 26		506	
Galicia	Hamburg-American Line	January 26	January 27	89	51
Abangarez	United Fruit Co	January 26	January 27	515	81
Cartago	United Fruit Co	January 26	January 26	7	450
Santa Ana	Grace Line	January 26	January 27	(1)	2
Santa Marta	United Fruit Co	January 26	January 27	296	646
La Perla	United Fruit Co	January 27	January 27	½	29
Ashbee	Grace Line	January 27	January 28	20	800
Van Renselaer	Royal Netherlands W. I. Mail	January 27	January 27	1	(2)
Aconcagua	Chilean Line	January 27	January 27	2	29
Granada	Standard Fruit S. S. Co	January 27	January 27	517	3½
Toloa	United Fruit Co	January 27	January 28	317	24
Nortonian	Leyland Line	January 27	January 28	525	(2)
P. de LaTouche	French Line	January 27	January 29	372	1,233
Breda	Royal Netherlands W. I. Mail	January 27	January 29	913	40½
San Felix	Eagle Oil Transport Co	January 28	January 29	9,000	(2)
West Mahwah	McCormick S. S. Co	January 28	January 29	25	(2)
Mineola	N. O. & S. A. S. S. Line	January 29		37	
Piave	Nav. Libera-Triestina	January 29		71½	
Amazonas	Peruvian Line	January 29		85	
Salvador	Pacific Steam Navigation Co		January 29		1,158
Granada	Standard Fruit S. S. Co	January 29	January 29	(1)	255

[1] No cargo discharged. [2] No cargo laded.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective January 25, 1927:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.23
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.44
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.17
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.15
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.12
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.18
Waste, cotton, white	Lb.	.20

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending January 31, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
Lake Giltedge	Mobile Liners, Inc.	January 23	January 23	150	.....
Colombia	Panama Mail S. S. Co.	January 26	January 26	72	.....
Hamburg Maru	Osaka Shosen Kaisha	January 27	January 27	189	.....
San Felix	Eagle Oil Transport Co.	January 27	January 28	17,864	.....
President Van Buren	Dollar Line	January 28	January 28	1	16
Amazonas	Peruvian Line	January 28	January 29	62	.....
Breda	Royal Netherlands W. I. Mail	January 29	January 29	378	.....
Chiman	National Navigation Co.	January 29	January 29	.....	9
Salvador	Pacific Steam Navigation Co.	January 30	January 30	.....	20

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity ..... .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton ..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.05 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $10.00 per ton of 2,240 pounds at Cristobal, and $13.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $10.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $11.00 per ton at Cristobal, $14.00 at Balboa. If less than 50 tons is taken from lighters, prices are $13.00 per ton at Cristobal and $16.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $11.00 Cristobal and $14.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, bunker ships at the rate of from 100 to 500 tons an hour, practically as fast as the nature of the vessel will allow. Oil can be delivered from 30 tanks aggregating approximately 1,500,000 barrels of storage capacity, as fast as the ships can take it. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A salvage service operated by the Canal is available for prompt assistance to vessels within a radius of a thousand miles of the Canal, or farther if required. Seagoing tugs or a wrecking tug with requisite equipment are dispatched on short notice.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective, in the course of handling large traffic through the Canal in nearly 10 years of operation.

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

MOVEMENTS OF OCEAN VESSELS.—Continued from page 349.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.

Date.	Vessel.	Line.	From—
January 27	Pellerin de La Touche	French Line	Havre via wayports.
January 27	La Perla	United Fruit Co.	Bocas del Toro, R. P.
January 27	Tolos	United Fruit Co.	New York via wayports.
January 27	Nortonian	Leyland Line	Liverpool via wayports.
January 28	John D. Edwards [31]	U. S. Navy	Bluefields, Nicaragua.
January 28	Granada	Standard Fruit S. S. Co.	San Blas coast, R. P.

* DEPARTURES.

Date.	Vessel.	Line.	For—
January 23	St. Heliers [32]	Huasteca Petroleum Co.	Aruba, D. W. I.
January 23	Nortonian	Leyland Line	New Orleans via wayports.
January 28	Tolos	United Fruit Co.	New York via wayports.
January 29	Pellerin de La Touche	French Line	Havre via wayports.
January 29	Granada	Standard Fruit S. S. Co.	New Orleans, La.

PORT OF BALBOA.

[31] Destroyer. [32] Tug.

Date.	Vessel.	Line.	From—
January 25	Suraico	Transmarine Lines	Seas.

* DEPARTURES.

Date.	Vessel.	Line.	For—
January 23	Nora	Grace Line	Los Angeles, Calif.

* Other than ships passing through the Canal.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., February 9, 1927. No. 27.

Heavy Tourist Traffic During Past Week.

A total of 1,704 tourists, arriving on five cruise ships, visited the Isthmus during the period February 4 to February 9. The vessels bringing these tourists to the Isthmus were the *Ebro*, *Caledonia*, *Laconia*, *Columbus*, and *Reliance*. Of these, the *Ebro* and *Laconia* transited the Canal on a cruise around South America. The others were West Indian cruises, the vessels calling at Cristobal but not transiting the Canal. With the arrival of the *Montroyal* on February 11, carrying 400 cruise passengers, a total of approximately 2,100 tourists will have visited the Isthmus within a week.

Tanker Traffic Through the Panama Canal in January, 1927.

During the month of January, 1927, 103 tank ships transited the Canal, with an aggregate net tonnage, Panama Canal measurement of 593,943, on which tolls of $510,442.01 were collected. In point of net tonnage, tanker traffic for the past month was approximately 97 per cent of the same traffic for the corresponding month a year ago, while the cargo tonnage was slightly more than 99 per cent of that of January, 1926.

Tank ships comprised 23.2 per cent of the total commercial transits of the Canal during the month; made up approximately 28.9 per cent of the total Panama Canal net tonnage; were the source of 25.7 per cent of the total tolls collected; and carried approximately 24.3 per cent of the cargo in transit through the Canal.

The number, aggregate tonnage, tolls, and cargo of tank ships transiting the Canal during the month of January, 1927, segregated by direction of transit and nationality of vessels, are shown in the following tabulations, with comparative totals for the two preceding months and for January, 1926:

Nationality.	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
Belgian	1	4,976	$3,582.72	.....
British	14	72,438	54,265.36	13,779
Danzig	3	21,900	15,768.00	.....
French	1	5,072	3,651.84	.....
Norwegian	1	5,329	3,836.88	.....
United States	33	195,183	140,817.75	.....
Totals, January, 1927	53	304,898	221,922.55	13,779
Totals, December, 1926	52	286,913	209,670.89	14,391
Totals, November, 1926	44	254,064	182,997.66	.....
Totals, January, 1926	53	317,780	229,186.74	.....
Pacific to Atlantic.				
British	4	25,335	23,763.21	31,929
Danzig	1	8,085	8,003.75	12,418
Norwegian	2	10,206	11,108.75	18,000
United States	43	245,419	245,643.75	470,034
Totals, January, 1927	50	289,045	288,519.46	532,381
Totals, December, 1926	51	300,457	306,361.75	576,777
Totals, November, 1926	46	271,068	276,079.53	493,180
Totals, January, 1926	47	290,014	299,322.95	550,241

Of the total tanker traffic shown above, the following is a summary of the vessels showing Los Angeles as their port of origin or destination with the totals for the two preceding months and for January, 1926:

Nationality.	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
To Los Angeles.				
January, 1927	46	268,648	$193,712.55	.....
December, 1926	45	253,416	182,617.14	.....
November, 1926	36	204,960	147,571.20	.....
January, 1926	46	275,977	199,088.58	.....
From Los Angeles.				
January, 1927	44	257,264	298,437.67	470,800
December, 1926	36	214,249	219,178.56	416,272
November, 1926	36	208,165	212,845.78	374,234
January, 1926	35	210,740	217,304.45	397,112

Thomas H. Rossbottom Elected First Vice President Panama Railroad Company.

Mr. Thomas H. Rossbottom has been elected first vice president of the Panama Railroad Company, succeeding Edward A. Drake, who died January 5, 1927. Mr. Rossbottom entered the service of the company August 1, 1887, and has been in its employ ever since with the exception of 5 years' leave of absence, ending September 1, 1926, during which he acted as general manager of the United States Lines.

Delivery of Commissary Supplies at Ship Side.

THE PANAMA CANAL, DEPARTMENT OF OPERATION AND MAINTENANCE,
BALBOA HEIGHTS, C. Z., February 4, 1927.

TO STEAMSHIP MASTERS, AGENTS, AND OWNERS:

1. Difficulty has been caused of late through the failure of certain steamers to provide proper facilities for taking on board commissary supplies in the harbors at Balboa and Cristobal.

2. Cases have been reported where ships, while under way, have endeavored to take considerable quantities of supplies on board with a small hand line, with the result that some of the supplies have been lost overboard.

3. Ships should in all cases provide proper lines and canvas nets for the taking on board of supplies, and where the quantity of supplies is considerable, weighing 500 pounds or more, a boom, preferably amidships, should be rigged and in position before supplies come alongside.

4. Where necessary to take supplies on board at the stern, and the ship is under way, captains are requested to slow down sufficiently to permit of taking supplies aboard without possible damage to launch or supply boat from propellers.

5. Effective at once the Commissary Division will not be responsible for supplies lost after they have been attached to ship's tackle, and the ship's crew have once started taking supplies from the launch or supply boat.

JOHN DOWNES,
Marine Superintendent.

Approved:
M. L. WALKER,
Governor.

Sale of Power Plant Equipment.

The Panama Canal offers for sale the equipment installed in the Miraflores steam auxiliary power plant.

Sealed proposals will be received at the offices of the General Purchasing Officer, The Panama Canal, Washington, D. C., and the Chief Quartermaster, The Panama Canal, Balboa Heights, Canal Zone, not later than 10.30 o clock a. m., on the 8th day of April, 1927, at which time they will be opened in public, for the purchase of the above-mentioned equipment. Forms of proposal, Circular No. 1778, with full particulars, may be had upon application to the offices mentioned above.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending February 5, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Mineola	N. O. & S. A. S. S. Line		January 30		467
Van Renselaer	Royal Netherlands W. I. Mail	January 30	January 30	1	804
Parismina	United Fruit Co	January 30	January 30	322	51
Annie Johnson	Johnson Line	January 30	January 31	102	(1)
Santa Luisa	Grace Line	January 31	January 31	1½	(1)
Stella	Panama Mail S. S. Co		January 31		750
Santa Cruz	Grace Line	January 31	February 1	168	5
Georgie	French Line	January 31	February 1	18	108
Almelo	Royal Netherlands W. I. Mail	January 31	February 1	299	(1)
Linda S	Surgeon Brothers	January 31	February 1	(2)	31
U. D. Vinton	G. I. Bryan	February 1	February 1	(2)	25½
Agnes E	Pacific Fruit Co	February 1	February 2	8	(1)
Atrato	Colombian Transport Co	February 1		151¾	
Statesman	T. & J. Harrison	February 1	February 2	355¾	(1)
Stromboli	Italian Line	February 1	February 3	253	158
Parismina	United Fruit Co	February 2	February 2	256	587
Tivives	United Fruit Co	February 2	February 3	244	743
Ancon	Panama Railroad S. S. Line	February 2		3,432	
Atenas	United Fruit Co	February 2	February 3	680	(1)
Santa Marta	United Fruit Co	February 3	February 3	20	388
Fred W. Weller	Standard Oil Co	February 3	February 4	10,613	(1)
Calamares	United Fruit Co	February 3	February 4	213	10
Ceiba	Standard Fruit S. S. Co	February 3	February 4	541	5½
San Benito	United Fruit Co	February 3	February 3	38	(1)
Kellerwald	Hamburg-American Line	February 3		592	
Cattato	Hamburg-American Line	February 3	February 5	32	(1)
Odenwald	Hamburg-American Line	February 4	February 5	(2)	290
Sigdal	Panama Mail S. S. Co	February 4		1,080	
Lochmonar	Pacific Steam Navigation Co	February 4	February 4	(2)	38
Ebro	Pacific Steam Navigation Co	February 4	February 5	77	20
Limon	United Fruit Co	February 5		181	
Tejon	General Petroleum Co	February 5		9,992	
Ariguani	Elders & Fyffes, Ltd	February 5	February 5	3	(1)
Ceiba	Standard Fruit S. S. Co	February 5	February 5	(2)	355
Jamaica	Pacific Steam Navigation Co		February 5		823

[1] No cargo laded. [2] No cargo discharged.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective January 25, 1927:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.23
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.44
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.17
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.15
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.12
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.18
Waste, cotton, white	Lb.	.20

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, February 5, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Salvador	(2)	15 45	30	3 40	30	11 45	30	13 55	British	Pacific Steam Nav. Co.	215 0	33 5	18 0	Cristobal, C. Z	Champerico, Guat	General	1,157	1,270	735
Sucubaco	29	14 55	30	3 00	30	11 36	30	12 40	American	Transmarine Lines	324 0	46 2	19 0	New Orleans, La	Seattle, Wash	General	2,725	3,984	2,628
Piave	29	10 15	30	4 50	30	12 16	30	13 20	Italian	Nav. Libera-Triestina	450 0	57 0	16 6	Venice, Italy	Vancouver, B. C.	General	1,401	7,706	5,214
Mincola	29	17 23	30	6 25	30	13 35	30	15 00	American	N. O. & S. A. S. S. Line	298 6	40 0	18 0	New Orleans, La	Talcahuano, Chile	General	1,995	2,835	1,805
Henry S. Grove	30	9 05	30	9 20	30	15 47	30	20 00	American	Argonaut S. S. Co	404 6	54 0	28 0	Baltimore, Md	Tacoma, Wash	General	8,127	6,755	4,688
Marblehead [2]	30	9 28	30	10 20	30	16 28	3	12 15	American	U. S. Navy	550 0	55 0	18 7	Pto. Cabezas, Nic	Balboa, C. Z				
Port Victor	30	13 00	31	2 05	31	9 40	31	10 47	British	Cunard Line	470 0	58 2	28 7	New York, N. Y.	Sydney, Australia	General	6,499	9,336	6,682
Hartford	30	14 50	31	3 30	31	11 20	31	19 15	British	Federal Steam Nav. Co	520 7	64.2	29 6	Avonmouth, Eng	Auckland, N. Z	General	12,986	12,933	9,314
Annie Johnson [4]	30	15 45	31	4 30	31	12 00	31	17 05	Swedish	Johnson Line	392 0	52 6	20 6	Stockholm, Sweden	San Francisco, Cal	General	2,942	6,650	4,919
Swan [5]			31	6 20	31	13 34			American	U. S. Navy	180 0	35 6		Cristobal, C. Z	Balboa, C. Z				
Onondaga	30	22 45	31	6 20	31	13 40	31	14 55	American	Ford Motor Co	251 0	43 6	16 6	New York, N. Y.	Los Angeles, Calif	Auto parts	1,476	2,656	1,632
Swiftscout [1]	31	5 05	31	6 55	31	14 37	31	22 30	American	C. D. Mallory & Co.	464 0	60.2	20 0	New York, N. Y.	Los Angeles, Calif	Ballast		8,473	6,104
Doricstar	31	6 48	31	7 55	31	15 39	31	20 38	British	Blue Star Line	499 8	64.0	20 6	London, England	Vancouver, B. C.	Ballast		11,673	8,143
J. W. Van Dyke [1]	31	1 50	31	9 00	31	16 44	31	18 05	American	Atlantic Refining Co	361 9	51.0	22 6	Durban, S. Africa	Los Angeles, Calif	Ballast		5,174	3,528
Sunbeam [1]	31	9 15	31	9 50	31	17 09	31	22 30	American	Sun Oil Co	429 3	59 2	19 6	Tampa, Fla	Los Angeles, Calif	Ballast		7,709	5,481
Stella	15	15 05	31	11 09	31	18 42	31	20 38	Norwegian	Panama Mail S. S. Co	195 1	32 9	14 7	Cristobal, C. Z	Champerico, Guat	General	681	985	606
Standard [1]	31	13 40	31	13 50	31	21 23	1	3 24	American	Standard Oil Co	523 0	68 0	18.0	Baltimore, Md	Los Angeles, Calif	Ballast		12,171	8,782
Georgie	31	12 50	1	2 53	1	13 46	1	15 00	French	French Line	410 1	52.5	23 0	Havre, France	Vancouver, B. C.	General	3,389	6,830	4,932
Svealand [4]	31	14 45	1	4 10	1	14 13	1	19 31	Swedish	Ore S. S. Corp	561 0	72 0	23 0	New York N. Y	Cruz Grande, Chile	Ballast		15,425	4,421
Canadian Inventor	31	16 08	1	5 15	1	15 09	1	16.15	British	Can. Gov. Mer. Marine	400 0	52.0	18 0	Halifax, N. S.	Brisbane, Australia	General	3,000	5,916	4,159
Trenton [3]	1	6 15	1	6 30	1	16.07			American	U. S. Navy	550 0	55 0	18 2	Guantanamo, Cuba	Balboa, C. Z				
Richmond [3]	1	6 15	1	7.50	1	17 07	3	12 15	American	U. S. Navy	550 0	55.0	19 3	Guantanamo, Cuba	Balboa, C. Z				
Raleigh [3]	1	6 15	1	8 10	1	17.28	3	15 45	American	U. S. Navy	550 0	55.0	16.11	Guantanamo, Cuba	Balboa, C. Z				
City of Rangoon	31	18.48	1	8.35	1	18.01	1	19 15	British	Ellerman & Bucknall	443 0	55.3	25.0	New York, N. Y.	Sydney, Australia.	(6)	5,357	7,940	6,068
Columbian	31	19 40	1	10.10	1	18 56	1	20 05	American	Amer.-Hawaiian Line	404 6	54 0	20.3	Boston, Mass	Seattle, Wash	General	4,317	6,760	4,450
David McKelvy [1]	31	20 05	1	10 40	1	19 48	1	20 54	American	Tidewater Oil Co	429.0	59 0	21 0	New York, N. Y.	Los Angeles, Calif	Ballast		7,629	5,325
Diana Dollar	31	23 00	1	12 12	1	20 40	1	22 17	American	Dollar Line	429 0	53 2	21 9	New York, N. Y.	San Francisco, Cal	General	5,685	7,582	5,521
Halo [1]	1	11 35	1	13 10	1	21 25	1	22 31	American	Crew, Levick & Co	435 0	56 0	18 0	Philadelphia, Pa.	Los Angeles, Calif	Ballast		7,434	5,145
Cornwall	1	12 30	1	13 45	1	22.26	1	24.00	British	Federal Steam Nav. Co.	495 1	63.1	28 0	New York, N. Y.	Brisbane, Australia	General	6,092	11,758	7,845
Magellan	1	12 20	2	5 25	2	12 30	2	13 40	British	Pacific Steam Nav. Co	461 6	59 0	16 6	Hull, England	Pimental, Peru	Ballast		8,817	6,063
Nordbo [4]	1	14 50	2	6 50	2	13 26	2	14 35	Danish	P. Brown S. S. Corp	380 0	53 9	14.0	Hull, England	San Francisco, Cal.	Ballast		6,183	4,569
Tremeadow	1	16 10	2	7 10	2	14.46	2	15 54	British	Ham S. S. Co	400 0	52.0	22.9	New York, N. Y.	Auckland, N. Z.	General	4,418	5,797	4,090
Snestad [4]	1	18 10	2	8 25	2	15 48	2	16 45	Norwegian.	A. F. Klavness	377.6	54.0	19 0	New Orleans, La	Osaka, Japan	Cotton	4,180	6,079	4,534
Charles G. Black [1]	1	19 25	2	9 20	2	20 55	2	22 05	American	Standard Oil Co	550.3	72.2	22 6	New York, N. Y.	Los Angeles, Calif	Ballast		15,418	10,613
Emidio [1]	2	6 05	2	10 10	2	17.39	2	18.45	American	General Petroleum Co.	435 0	56.2	17 0	Baltimore, Md	Los Angeles, Calif	Ballast		7,433	5,058
Skegness	2	10.50	2	11.05	2	18.40	2	19.50	British	St. Just S. S. Co	401.6	54.3	20.0	New Orleans, La	Kobe, Japan	General	4,450	6,621	4,916

[1] Tanker. [2] Arrived at port Oct. 31, 1926. [3] Cruiser. [4] Motor ship. [5] Mine sweeper. [6] Petrol, automobiles, and general.

Statesman	1	23.05	2	12.25	2	19.26	3	9.13	British	T. & J. Harrison	40.3	53.0	14.7	Liverpool, England	Vancouver, B. C.	Ballast		6,366	4,568
Agnes E. [7]	1	22.00	2	10.00	2	18.40	2	19.50	Panaman	Pacific Fruit Co.	58.0	20.0	5.0	Cristobal, C. Z.	Panama, R. P.	Ballast		57	29
Stromboli	1	17.00	3	1.35	3	9.26	3	10.31	Italian	Nav. Generale Italiana	400.2	52.3	17.6	Genoa, Italy	Valparaiso, Chile	General	2,046½	5,738	3,961
Cerro Ebano [1]	2	17.35	3	2.50	3	10.20	3	11.21	American	Huasteca Petroleum Co.	480.5	66.0	21.0	New York, N. Y.	Los Angeles, Calif.	Ballast		9,398	6,453
West Cusseta [4]	2	23.18	3	4.25	3	12.45	3	22.10	American	Roosevelt S. S. Co., S. B.	410.0	54.4	19.0	New York, N. Y.	Adelaide, Australia	Case oil, general	2,563	6,736	4,880
Cambrai [8]	3	4.45	3	6.45	3	13.13	4	14.18	American	U. S. Army	436.9	58.2	24.0	Brooklyn, N. Y.	San Francisco, Cal.	General	613	8,407	5,212
Mongolia	3	6.45	3	7.05	3	14.09	3	23.33	American	Panama-Pacific Line	600.0	65.0	26.0	New York, N. Y.	San Francisco, Cal.	(12)	2,327	17,041	11,426
K. I. Luckenbach	3	3.03	3	7.45	3	15.20	3	16.20	American	Luckenbach Line	446.0	56.7	28.0	New Orleans, La.	Seattle, Wash.	General	7,900	8,552	6,236
Oakpark	3	1.55	3	8.45	3	16.23	3	17.20	American	American-Pioneer Line	402.6	53.2	19.6	Galveston, Tex.	Shanghai, China	(13)	3,848	6,570	4,798
Ampetco [1]	2	23.25	3	10.40	3	17.39	3	18.50	Belgian	Standard Oil Co.	465.7	60.0	21.0	Antwerp, Belgium	Los Angeles, Calif.	Ballast		8,583	6,362
Sutermeo	3	5.40	3	11.45	3	19.20	3	20.28	American	Transmarine Lines	324.0	46.2	22.5	Newark, N. J.	Los Angeles, Calif.	General	3,730	3,984	2,628
El Lobo [1]	3	12.25	3	12.40	3	20.28	4	2.33	British	C. T. Bowring & Co.	385.2	51.0	20.0	London, England	Lobitos, Peru	Ballast		4,851	3,311
Lillian Luckenbach	3	12.45	3	13.20	3	21.06	4	2.00	American	Luckenbach Line	448.9	60.2	26.0	Boston, Mass.	Seattle, Wash.	General	8,830	9,294	6,865
Olga [9]	2	19.18	3	8.50	3	17.43			American	G. Hall				Cristobal, C. Z.	Balboa, C. Z.	Ballast		9	9
Mecca [9]			3		3	12.47			American	United Fruit Co.				Cristobal, C. Z.	Gatun, C. Z.	(14)		4	4
No. 3393 [10]			3		3	12.47			American	United Fruit Co.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		9	9
Trivia [1]	3	17.10	4	6.20	4	14.12	4	18.41	British	Anglo-Saxon Pet. Co.	376.0	51.0	16.6	Rotterdam, Holland	Los Angeles, Calif.	Ballast		4,903	3,367
Circinus	3	19.53	4	7.05	4	15.28	4	16.45	American	Planet Line	410.0	54.2	24.0	Baltimore, Md.	Vancouver, B. C.	(15)	7,179	6,585	4,791
Montauk	4	10.30	4	10.41	4	17.30	4	18.29	American	Inter'l Mer. Marine	419.5	56.5	21.0	Norfolk, Va.	Puget Sound, Wash.	Ballast		8,696	6,316
Fred W. Weller [11]	3	19.00	4	13.30	4	20.56	4	22.04	American	Standard Oil Co.	500.0	68.0	19.0	Cristobal, C. Z.	Talara, Peru	Ballast		10,928	7,710
Gen. G. W. Getty [11]			4	6.10	4	14.12			American	U. S. Army	89.0	22.0		Cristobal, C. Z.	Balboa, C. Z.	Ballast			
Tut [9]			4		4	8.38			American	J. J. Burton				Cristobal, C. Z.	Gatun, C. Z.	(16)		1	1
Jamaica	26	21.10	5	3.00	5	10.49	5	14.50	British	Pacific Steam Nav. Co.	220.0	34.0	14.0	Cristobal, C. Z.	Champerico, Guat.	General	822	1,187	622
Toba Maru	4	17.30	5	4.05	5	11.47	5	13.00	Japanese	Nippon Yusen Kaisha	445.0	58.0	26.0	Savannah, Ga.	Kobe, Japan	General	8,291	8,058	5,743
Ebro	4	7.25	5	5.55	5	13.00	5	13.55	British	Pacific Steam Nav. Co.	450.3	57.8	26.4	New York, N. Y.	Talcahuano, Chile	General	1,921	9,291	6,301
Laconia	5	7.25	5	8.35	5	16.29	6	13.28	British	Cunard Line	601.3	73.7	25.0	New York, N. Y.	Callao, Peru	Passengers		22,108	15,925
Canadian Prospector	5	2.49	5	10.10	5	17.25	5	18.44	British	Can. Gov. Mer. Marine	400.0	52.4	19.9	Halifax, N. S.	Auckland, N. Z.	General	2,300	5,893	4,068
Floridian	5	10.55	5	11.20	5	18.18	5	19.12	American	Amer.-Hawaiian Line	415.0	53.7	23.10	Boston, Mass.	Portland, Oreg.	General	4,582	7,273	5,100
Hannawa	5	12.55	5	13.05	5	19.56	6	00.36	American	Arrow Line	440.0	56.0	21.0	Baltimore, Md.	Portland, Oreg.	General	5,004	8,300	6,025

[1] Tanker. [7] Motor schooner. [8] Transport. [9] Launch. [10] Barge. [11] Tug. [12] Steel, cement, and soap. [13] Cotton, lime, and sheet iron. [14] Towing barge *No. 3393*.
[15] Steel products and general. [16] Towing *Pato* from Gatun.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Montpelier	29	15.30	30	6.17	30	14.35	30	14.35	American	Amer. Ship. & Com. Co.	460.0	57.7	25.0	Vancouver, B. C.	Hamburg, Germany	Grain, lumber	8,629	6,368	4,161
Gedania [1]	30	4.25	30	7.38	30	15.50	30	15.50	Danzig	Standard Oil Co.	498.8	64.1	28.8	Los Angeles, Calif.	Hamburg, Germany	Fuel oil	12,414	10,596	8,085
Welsh City	30	15.15	31	6.22	31	18.35	31	18.35	British	St. Just S. S. Co.	411.7	54.5	27.8	Prince Rupert, B.C.	Fayal, Azores [17]	Wheat	8,910	6,957	5,133
Louqsor	30	17.30	31	6.57	31	15.50	31	21.10	French	Messageries Maritimes	447.2	52.6	25.0	Suva, Fiji Islands	Dunkirk, France	General	5,473	7,487	5,162
Romanstar	30	21.45	31	8.20	31	19.15	31	19.15	British	Blue Star Line	420.0	54.0	26.0	Vancouver, B. C.	Hull, England	General	6,204	7,433	5,870
Almelo	31	5.00	31	9.10	31	20.55	1	11.58	Dutch	Royal Neth. W. I. Mail	447.39	62.74	26.0	Corral, Chile	Rotterdam, Holland	General	9,393	7,403	6,653
Santa Cruz	31	5.00	31	10.13	31	21.18	1	1.50	American	Grace Line	483.0	50.2	20.0	Iquique, Chile	New York, N. Y.	General, nitrate	3,132	5,534	3,868
Santa Luisa	21	9.45	31	12.12	31	22.17	31	23.34	American	Grace Line	360.0	51.5	24.0	Talcahuano, Chile	New York, N. Y.	General	3,804½	5,710	3,998
Cubore [4]	31	10.50	31	12.44	31	23.00	1	3.32	American	Ore S. S. Corp.	450.6	57.2	30.0	Cruz Grande, Chile	Baltimore, Md.	Iron ore	10,500	7,956	4,866
John D. Archbold [1]	31	18.45	31	19.45	1	19.10	1	19.10	American	Standard Oil Co. of N.J.	554.9	75.3	32.3	Los Angeles, Calif.	New York, N. Y.	Fuel oil	20,645	14,785	10,313
W. S. Rheem [1]	1	1.50	1	6.21	1	20.17	2	00.15	American	Standard Oil Co. of Calif.	500.0	68.2	28.6	Los Angeles, Calif.	London, England	Gasoline	13,500	11,224	7,895

[1] Tanker. [17] For orders.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Saensenwald	31	19.32	1	6.49	1	22.30	2	4.55	German	Hamburg-American Line	385.0	49.7	23.0	Portland, Oreg.	Hamburg, Germany	Wheat	6,160	4,931	3,610
Port Sydney	31	15.50	1	7.11	1	21.30	2	2.00	British	Com'lth & Dom. Line	501.35	63.35	27.3	Auckland, N. Z.	London, England	General	7,400	11,842	8,957
Apolo [18]	31	22.00	1	8.04	1	23.40	2	3.50	Spanish	Maritime Company	375.3	50.0	23.4	Pisagua, Chile	Bilbao, Spain	Nitrate	6,430	4,719	3,522
Canadian Transporter	31	20.10	1	8.09	1	22.50	1	22.50	British	Can. Gov. Mer. Marine	400.0	52.4	25.0	Vancouver, B. C.	Glasgow, Scotland	General	6,950	6,228	4,491
Strathlorne	1	2.40	1	9.10	2	00.45	2	8.47	British	Strathlorne S. S. Co.	376.5	53.2	22.9	Makatea, Tuamota Archipelago	Helsingborg, Swed.	Phosphate	6,490	4,799	3,623
Pennsylvanian	1	5.00	1	12.57	2	3.20	2	3.20	American	Amer.-Hawaiian Line	407.7	53.7	24.2	Seattle, Wash.	Boston, Mass.	General	5,600	7,107	4,989
Esperanza [19]	31	18.30	1	9.34	1	22.00	.....	.....	Colombian	A. A. Therp	40.0	7.0	4.0	Buenaventura, Col.	Cristobal, C. Z.	Towed by *Atrato*	.....	.....	.....
Atrato [18]	31	18.30	1	9.34	1	22.00	.....	.....	Colombian	Colombian Transp. Co.	91.0	23.0	7.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee	151	160	92
Dixie Arrow [1]	1	9.30	1	10.34	2	2.05	2	2.05	American	Standard Transp. Co.	468.3	62.7	28.0	Los Angeles, Calif.	New York, N. Y.	Gas oil	12,566	9,744	7,140
Agnes E. [20]	1	11.20	1	13.08	1	22.00	2	10.00	Panaman	Pacific Fruit Co.	57.8	19.7	6.5	Panama Bay, R. P.	Cristobal, C. Z.	Bananas	8	57	29
Peter Kerr	1	12.37	1	13.47	2	5.09	2	5.30	American	Arrow Line	415.0	55.7	26.10	Portland, Oreg.	Baltimore, Md.	Lumber, copper	8,250	7,204	5,707
Steel Age	1	13.30	1	14.11	2	6.25	2	6.25	American	Isthmian S. S. Lines	395.5	55.0	26.0	Vancouver, B. C.	Philadelphia, Pa.	General	7,745	7,330	5,245
Katrina Luckenbach	1	19.45	2	6.45	2	16.28	2	16.28	American	Luckenbach Line	446.0	56.17	29.0	Seattle, Wash.	Boston, Mass.	Lumber, general	8,423	8,508	6,179
Elder Branch	2	5.00	2	7.18	2	18.55	2	20.15	British	F. & W. Ritson	380.3	49.7	23.6	San Antonio, Chile	Liverpool, England	General	6,133	4,951	3,592
Barker [21]	2	6.30	2	8.55	2	17.10	2	20.45	American	U. S. Navy	310.0	31.0	12.0	Corinto, Nic'gua	Norfolk, Va.	.....	.....	.....	.....
Baron Loudoun	2	13.30	2	14.15	2	21.25	2	22.14	British	H. Hogarth & Son	336.0	48.5	20.8	Chicama, Peru	Land's End, Eng. [23]	Sugar	4,900	3,697	2,597
Pomona	2	13.55	2	15.01	2	22.35	2	22.35	American	Ponoma S. S. Co.	440.0	56.0	26.6	Everett, Wash.	Baltimore, Md.	Lumber	8,550	8,324	6,036
Olga [19]	.....	.....	2	9.58	2	19.18	3	9.43	Panaman	M. Lindo	43.2	10.2	.....	Panama Bay, R. P.	Cristobal, C. Z.	Towing barge	.....	6	...
Barge	.....	.....	2	9.58	2	19.18	.....	.....	Panaman	C. Eleta	27.6	8.6	.....	Panama Bay, R. P.	Cristobal, C. Z.	Towed by *Olga*	.....	.....	...
Gen. G. W. Getty	.....	.....	2	6.49	2	.....	.....	.....	American	U. S. Army	98.0	22.0	.....	Balboa, C. Z.	Cristobal, C. Z.	.....	.....	.....	.....
Paul Shoup [1]	3	00.45	3	6.15	3	17.25	3	17.25	American	Associated Oil Co.	424.4	58.2	26.3	San Francisco, Cal.	New York, N. Y.	Gasoline	9,141	7,333	5,119
Fred W. Weller [1]	2	17.10	3	7.29	3	19.00	4	13.30	American	Standard Oil Co. of N. J.	500.0	68.0	29.0	Los Angeles, Calif.	Cristobal, C. Z.	Gas, fuel oil	10,614	10,938	7,910
Trenton [22]	1	16.07	3	13.18	3	19.55	3	21.55	American	U. S. Navy	550.0	55.0	20.0	Balboa, C. Z.	Guantanamo, Cuba	.....	.....	.....	.....
Swan [23]	.....	.....	3	13.38	3	21.33	.....	.....	American	U. S. Navy	187.0	35.0	.....	Balboa, C. Z.	Coco Solo, C. Z.	.....	.....	.....	.....
O-8 [24]	.....	.....	3	14.14	3	21.33	.....	.....	American	U. S. Navy	.....	.....	.....	Balboa, C. Z.	Coco Solo, C. Z.	.....	.....	.....	.....
Cattaro	3	14.00	3	14.48	3	23.05	5	00.40	German	Hamburg-American Line	227.0	34.0	16.6	San Jose de Guat'a	Hamburg, Germany	Coffee, sugar	1,597	1,494	936
Francis E. Powell [1]	3	12.30	4	6.15	4	14.45	4	14.45	American	Atlantic Refining Co.	441.0	59.3	26.2	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	9,649	7,860	5,101
Odenwald [18]	3	12.50	4	7.31	4	15.50	5	6.15	German	Hamburg-American Line	349.6	54.2	24.10	Valparaiso, Chile	Hamburg, Germany	General	7,751	6,808	4,979
Arawa	3	17.30	4	8.11	4	18.30	4	21.00	British	Shaw, Savill & Albion	449.5	60.05	24.6	Lyttleton, N. Z.	London, England	General	4,580	10,033	7,504
Sigdal	4	8.30	4	10.09	4	21.30	7	13.45	Norwegian	Alf. Mohn	241.1	33.2	15.6	Buenaventura, Col.	Cristobal, C. Z.	General	1,080	1,063	685
Lochmonar [18]	4	3.30	4	10.42	4	19.25	4	23.05	British	Royal Mail S. P. Co.	445.5	62.25	29.8	Vancouver, B. C.	Rotterdam, Holland	General	9,779	10,766	7,512
Moerdijk	4	10.00	4	11.03	4	20.15	5	00.10	Dutch	Holland-American Line	442.6	60.01	27.0	Vancouver, B. C.	Antwerp, Belgium	General	9,550	9,165	7,056
Mataroa	3	22.00	4	12.30	4	22.05	4	22.05	British	Shaw, Savill & Albion	540.4	63.25	27.6	Auckland, N. Z.	London, England	Frozen, general	5,443	13,590	9,233
Edgar F. Luckenbach	4	12.40	4	13.26	4	22.55	4	22.55	American	Luckenbach Line	445.0	57.3	27.9	Portland, Oreg.	New Orleans, La.	Lumber, general	8,062	8,568	6,648
Tejon [1]	4	21.00	5	6.17	5	17.45	7	2.35	American	General Petroleum Co.	445.8	57.0	27.6	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	9,942	7,218	4,956

[1] Tanker. [18] Motor ship. [19] Launch. [20] Motor schooner. [21] Destroyer. [22] U. S. cruiser. [23] Mine sweeper. [24] Submarine. [25] For orders.

Frank Lynch [18]	4	19.00	5	7.26	5	18.00	5	20.45	American	W. J. Gray & Co.	252.0	43.5	19.0	Port Townsend, Wash.	Port au Prince, Haiti.	Lumber	1,924	2,283	1,369
Astoria [18]	5	6.15	5	8.59	5	18.05	5	19.40	Danish	Canadian Transp. Co.	379.6	53.3	25.0	Vancouver, B. C.	New York, N. Y.	Lumber, general	7,142	6,241	4,583
Africstar			5	11.14	5	19.10	6	00.50	British	Blue Star Line	475.3	67.35	29.5	Vancouver, B. C.	Hamburg, Germany	Refrig., general	10,541	11,749	7,755
Baralt	(26)	21.58	5	12.03	5	20.05			Dutch	Royal Neth. W. I. Mail	200.0	33.1	7.6	Balboa, C. Z.	Curacao, D. W. I.	Ballast			
Panaman	5	7.45	5	12.24	5	20.00	5	20.00	American	Amer.-Hawaiian Line	407.7	53.7	27.0	Portland, Oreg.	Boston, Mass.	General	6,202	7,098	5,029
Algonquin [1]	5	12.10	5	13.05	5	20.50	5	20.50	American	Standard Oil Co. of N. Y.	435.0	56.0	27.4	Los Angeles, Calif.	New York, N. Y.	Gas oil	10,200	7,602	5,337
Bendovan	5	13.05	5	13.57	5	22.30	6	00.15	British	Wm. Thomson & Co.	378.0	46.0	24.0	Portland, Oreg.	Antwerp, Belgium.	(27)	5,300	4,232	3,096
Mida [19]			5		5				American	Vaughn Irwin				Balboa, C. Z.	Gatun Lake, C. Z.				

[1] Tanker. [26] Arrived at port Dec. 24, 1926, for dry-docking only. [27] Concentrates and lumber. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

*ARRIVALS.

Date.	Vessel.	Line.	From—
January 30	Van Renselaer	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
January 30	Parismina	United Fruit Co	New Orleans via Habana.
January 31	Williamson [28]	U. S. Navy	Pto. Cabezas, Nicaragua.
January 31	Linda S. [29]	Surgeon Brothers	Colon, Rep. of Panama.
February 1	U. D. Vinton [30]	G. I. Bryan	Colon, Rep. of Panama.
February 2	Ancon	Panama Railroad S. S. Line	New York via Haiti.
February 2	Parismina	United Fruit Co	Port Limon, Costa Rica.
February 2	Atenas	United Fruit Co	New Orleans via Habana.
February 2	Tivives	United Fruit Co	New York via Kingston.
February 2	Maria Cristina [29]	A. Tagaropulos	Colon, Rep. of Panama.
February 2	Caberia [29]	A. Tagaropulos	Colon, Rep. of Panama.
February 2	Willinnis [29]	A. Tagaropulos	Colon, Rep. of Panama.
February 2	Flor de Panama [29]	A. Tagaropulos	Colon, Rep. of Panama.
February 2	Terror [29]	A. Tagaropulos	Colon, Rep. of Panama.
February 2	Emperador [30]	A. Tagaropulos	Colon, Rep. of Panama.
February 2	Convert [29]	A. Ferrari	Colon, Rep. of Panama.
February 3	Ceiba	Standard Fruit S. S. Co	New Orleans, La.
February 3	Santa Marta	United Fruit Co	Colombian ports.
February 3	Calamares	United Fruit Co	New York via wayports.
February 3	San Benito	United Fruit Co	Boston via wayports.
February 4	Caledonia	Anchor Line	New York via West Indies.
February 4	Ceiba	Standard Fruit S. S. Co	San Blas coast, R. P.
February 5	Ariguani	Elders & Fyffes, Ltd	Avonmouth via wayports.
February 5	Limon	United Fruit Co	New York via wayports.

*DEPARTURES.

Date.	Vessel.	Line.	For—
January 30	John D. Edwards [28]	U. S. Navy	Bluefields, Nicaragua.
January 30	Van Renselaer	Royal Netherlands W. I. Mail	Amsterdam via wayports.
January 30	Parismina	United Fruit Co	Port Limon, Costa Rica.
February 1	Williamson [28]	U. S. Navy	Bluefields, Nicaragua.
February 1	U. D. Vinton [30]	G. I. Bryan	Bluefields, Nicaragua.
February 2	Parismina	United Fruit Co	New Orleans via Habana.
February 2	Maria Cristina [29]	A. Tagaropulos	Colon, Rep. of Panama.
February 2	Caberia [29]	A. Tagaropulos	Colon, Rep. of Panama.
February 2	Wilinnis [29]	A. Tagaropulos	Colon, Rep. of Panama.
February 2	Flor de Panama [29]	A. Tagaropulos	Colon, Rep. of Panama.
February 2	Terror [29]	A. Tagaropulos	Colon, Rep. of Panama.
February 2	Emperador [30]	A. Tagaropulos	Colon, Rep. of Panama.
February 2	Convert [29]	A. Ferrari	Colon, Rep. of Panama.
February 3	Tivives	United Fruit Co	Colombian ports.
February 3	Atenas	United Fruit Co	New Orleans via wayports.
February 3	Santa Marta	United Fruit Co	New York via Kingston.
February 3	San Benito	United Fruit Co	Boston via wayports.
February 3	Ceiba	Standard Fruit S. S. Co	New Orleans, La.
February 4	Linda S. [29]	Surgeon Brothers	Bluefields, Nicaragua.
February 4	Calamares	United Fruit Co	New York via wayports.
February 5	Ariguani	Elders & Fyffes, Ltd	Kingston, Jamaica.
February 5	Ceiba	Standard Fruit S. S. Co	New Orleans, La.

[28] Destroyer. [29] Motor schooner. [30] Schooner.

PORT OF BALBOA.

January 30	Cricamola [31]	United Fruit Co	Panama Bay, R. P.	January 30	Cricamola [31]	United Fruit Co	Panama Bay, R. P.
January 30	Albion [31]	Capt. H. Loeffler	Pearl Islands, R. P.	February 2	Albion [31]	Capt. H. Loeffler	Puntarenas, Costa Rica.
January 29	Cincinnati [32]	U. S. Navy	Corinto, Nicaragua.	February 3	Cincinnati [32]	U. S. Navy	Honolulu, T. H.
February 4	R-3 [33]	Peruvian Government	La Union, Salvador.	February 4	R-3 [33]	Peruvian Government	Puntarenas, Costa Rica.
February 5	R-2 [33]	Peruvian Government	La Union, Salvador.	February 5	Surailco	Transmarine Lines	Los Angeles, Calif.
February 5	R-1 [33]	Peruvian Government	La Union, Salvador.				

[31] Yacht. [32] Cruiser. [33] Submarine. *Other than ships passing through the Canal.

Executive Order.

By authority of the provisions of Section 2 of the Act of Congress approved September 21, 1922, I designate Judge James W. Blackburn as Special Judge of the Canal Zone until January 1, 1928, to act during the absence or illness of the District Judge of the Canal Zone, and in all cases where said District Judge may be disqualified.

CALVIN COOLIDGE.

THE WHITE HOUSE,
January 15, 1927.

[No. 4567]

Commercial Traffic Through the Panama Canal in January, 1927, by Trade Routes.

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	76	310,535	395,325	493,693	308,552	$337,150.82	224,366
East coast of United States to west coast of South America:							
British	3	10,258	13,781	17,357	10,579	12,284.84	8,181
Chilean	1	3,479	4,672	7,310	3,976	4,348.75	1,651
Danzig	1	5,410	7,888	9,006	5,111	5,679.36	.....
German	1	689	909	1,314	681	861.25	1,411
Norwegian	2	4,179	5,996	6,789	4,182	4,874.65	2,100
Peruvian	1	3,510	3,544	4,763	3,089	4,252.80	3,171
Swedish	2	4,087	4,917	15,995	4,821	3,667.12	430
United States	12	40,007	46,516	70,621	40,017	37,849.47	17,726
Yugo-Slav	1	3,202	4,056	5,226	3,179	2,920.32	.....
Totals	24	74,821	92,279	138,381	75,635	76,738.56	34,670
East coast of United States to Far East:							
British	7	24,312	36,426	39,513	24,485	30,390.00	49,100
Japanese	7	30,284	35,275	44,295	28,712	37,492.90	45,585
Norwegian	1	2,446	4,240	4,297	2,443	3,057.50	4,130
United States	8	33,032	43,069	49,218	32,974	41,290.00	55,884
Totals	23	90,074	119,010	137,323	88,614	112,230.40	154,699
Europe to west coast of South America:							
British	7	27,756	33,873	45,017	27,835	33,637.01	17,912
Dutch	3	10,597	15,073	17,539	10,448	13,246.25	10,327
French	2	6,153	8,545	10,025	6,197	7,691.25	1,840
German	4	12,785	15,435	19,793	12,051	15,981.25	17,430
Italian	1	2,705	3,774	4,676	2,636	3,381.25	462
Spanish	1	2,459	2,827	4,349	2,565	3,073.75	200
Totals	18	62,455	79,527	101,399	61,732	77,010.76	48,171
Europe to west coast Canada:							
British	8	36,682	48,301	59,168	36,558	39,110.55	8,058
Dutch	2	10,626	13,685	16,993	10,607	13,282.50	6,863
French	1	3,252	4,317	5,351	3,339	4,065.00	4,076
German	2	7,581	11,416	12,176	7,619	9,476.25	12,919
Italian	2	9,606	11,669	15,558	9,790	12,007.50	3,920
Norwegian	1	4,523	5,627	7,093	4,479	5,653.75	7,500
Totals	16	72,270	95,015	116,339	72,392	85,595.55	43,336
East coast of United States to Australasia:							
British	11	43,241	57,112	68,911	43,198	54,051.25	63,812
German	1	2,968	4,885	4,974	2,958	3,710.00	7,003
Norwegian	1	2,269	4,113	3,828	2,298	2,836.25	6,400
United States	1	3,604	4,480	5,816	3,604	4,505.00	1,707
Totals	14	52,082	70,590	83,529	52,058	65,102.50	78,922

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Europe to west coast of United States:							
Belgium	1	4,568	4,976	7,138	4,154	$3,582.72	.....
British	8	32,656	39,710	53,532	32,740	28,591.20	.....
Danzig	1	5,207	5,927	8,744	5,026	4,267.44	.....
French	1	4,392	5,072	6,795	4,094	3,651.84	.....
Norwegian	1	4,679	5,854	7,468	4,724	5,848.75	2,089
Swedish	2	6,264	10,375	10,518	7,911	7,830.00	10,491
Totals	14	57,766	71,914	94,195	58,649	53,771.95	12,580
Europe to Australasia:							
British	7	39,079	48,190	58,053	36,455	48,758.15	49,321
French	1	4,777	5,472	6,037	3,747	5,971.25	2,955
Totals	8	43,856	53,662	64,090	40,202	54,729.40	52,276
Cristobal, C. Z., to Balboa, C. Z.:							
Panaman	5	388	424	184	80	318.64	1
Cristobal, C. Z., to west coast United States:							
Panaman	1	1,383	2,603	2,461	1,384	1,728.75	2,501
United States	4	14,524	18,765	23,625	14,547	13,854.27	2,080
Totals	5	15,907	21,368	26,086	15,931	15,583.02	4,581
Foreign vessels in ballast—U. S. intercoastal:							
British	2	8,464	9,748	14,248	8,498	7,018.56	.....
Danzig	1	6,403	8,085	8,966	5,107	5,821.20	.....
Norwegian	1	4,656	5,329	7,455	4,415	3,836.88	.....
Totals	4	19,523	23,162	30,669	18,020	16,676.64	.....
Cristobal, C. Z., to west coast South America:							
Colombian	2	1,363	1,669	2,288	1,417	1,694.35	2,212
German	1	618	698	1,023	616	772.50	500
Panaman	1	113	124	207	109	141.25	274
Totals	4	2,094	2,491	3,518	2,142	2,608.10	2,986
Cristobal, C. Z., to west coast Central America:							
British	2	1,286	1,441	2,298	1,304	1,607.50	2,367
Norwegian	2	1,514	1,630	2,244	1,523	1,835.05	2,461
Totals	4	2,800	3,071	4,542	2,827	3,442.55	4,828
Around the world:							
British	2	19,005	29,052	36,967	22,297	23,756.25	.....
United States	1	6,228	8,495	10,534	6,195	7,785.00	4,749
Totals	3	25,233	37,547	47,501	28,492	31,541.25	4,749
East coast of Canada to west coast of Canada:							
British	3	7,923	9,420	12,524	7,835	9,899.65	16,298
West Indies to Balboa, C. Z.:							
British	3	7,425	9,216	11,938	7,207	7,454.39	7,500
East coast of United States to west coast of Canada:							
United States	2	7,495	9,780	12,069	7,478	9,368.75	16,423
East coast of Canada to Australasia:							
British	2	7,821	9,154	13,161	7,928	9,776.25	7,566
East coast of Canada to west coast United States:							
British	2	13,228	15,336	22,618	13,690	11,041.92	.....
South Africa to west coast of United States:							
United States	1	3,057	3,528	4,929	3,046	2,540.16	.....
East coast of South America to west coast of Canada:							
United States	1	3,507	4,931	5,587	3,467	4,383.75	7,465
East coast of South America to Far East:							
Japanese	1	5,958	7,354	9,454	5,891	7,447.50	5,801
West Indies to Far East:							
British	1	3,147	4,996	5,155	3,153	3,933.75	7,994

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
West Indies to Australasia:							
British [1]	1			37,000		$13,500.00	
West Indies to west coast of United States:							
United States	1	1,380	1,486	2,361	1,330	1,069.92	
Europe to west coast of Central America:							4,638
German	1	2,564	3,390	4,176	2,586	3,205.00	
Paraiso, C. Z., to Balboa, C. Z.:							
German	1	58	58	58	58	43.50	
Totals, January, 1927	238	893,367	1,144,034	1,445,479	889,045	1,019,164.68	739,900
Totals, January, 1926	260	960,255	1,233,166	1,569,311	961,923	1,058,965.84	661,198
Totals, January, 1925	226	882,168	1,114,382	1,406,773	878,381	973,148.31	629,569

[1] British cruiser of 37,000 tons displacement.

PACIFIC TO ATLANTIC

United States intercoastal:							
United States	66	288,074	367,440	465,172	288,941	$360,092.50	615,391
West coast Canada to Europe:							
British	14	57,875	70,872	87,340	54,415	72,343.75	103,932
Dutch	3	16,039	20,223	25,434	16,047	20,048.75	27,578
French	1	4,282	5,563	6,863	4,287	5,352.50	8,999
German	1	2,624	4,027	4,454	2,618	3,280.00	6,224
Japanese	6	27,085	28,337	36,610	26,742	33,329.55	44,914
Norwegian	2	7,438	9,343	11,937	7,462	9,297.50	15,747
Panaman	1	2,964	3,030	3,902	2,474	3,636.00	5,120
Swedish	1	2,781	4,860	4,960	3,665	3,476.25	6,045
United States	3	10,104	14,609	16,386	10,001	12,630.00	24,298
Totals	32	131,192	160,864	197,886	127,711	163,394.30	242,857
West coast of South America to east coast United States:							
British	5	17,266	20,856	29,613	17,618	21,532.50	27,051
Chilean	1	3,512	4,705	7,310	3,776	4,390.00	5,228
Norwegian	3	9,681	13,940	15,734	9,702	12,101.25	25,943
Peruvian	2	3,556	4,150	5,442	3,162	4,441.65	5,812
Swedish	2	7,486	8,917	30,676	8,762	9,357.50	41,000
United States	14	46,672	55,754	78,612	46,638	58,220.30	114,410
Totals	27	88,173	108,322	167,387	89,658	110,093.20	219,444
West coast of South America to Europe:							
British	5	24,813	31,890	41,370	25,463	31,016.25	31,377
Dutch	2	8,395	11,451	13,807	8,341	10,381.25	18,293
Ecuadorian	2	146	146	442	156	109.50	
French	2	6,654	8,336	10,912	6,675	8,317.50	14,762
German	3	11,632	15,046	19,051	11,617	14,540.00	25,192
Italian	1	4,051	5,051	7,028	4,175	5,063.75	3,129
Norwegian	2	5,458	7,055	9,140	5,511	6,822.50	7,757
Spanish	1	2,960	3,729	5,087	3,000	3,700.00	1,146
Yugo-Slav	1	2,799	3,412	4,292	2,789	3,498.75	6,140
Totals	19	66,818	86,116	111,129	67,757	83,449.50	108,006
West coast of United States to Europe:							
British	3	8,268	9,494	12,822	8,289	9,973.93	15,319
Danzig	1	6,493	8,085	8,966	5,107	8,003.75	12,418
Japanese	3	13,763	14,774	19,381	14,189	16,862.50	25,190
Norwegian	1	2,694	3,838	4,262	2,668	3,367.50	5,798
United States	1	3,392	4,069	5,998	3,619	4,240.00	7,407
Totals	9	34,520	40,260	51,429	33,872	42,447.68	66,123
West coast of Canada to east coast of United States:							
British	2	6,579	9,762	10,486	6,499	8,223.75	15,499
Norwegian	1	2,537	4,245	4,362	2,516	3,171.25	7,649
United States	5	18,129	23,702	29,087	18,158	22,661.25	38,122
Totals	8	27,245	37,709	43,935	27,173	34,056.25	61,252

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Australasia to Europe:							
British	5	27,017	33,911	44,508	26,682	$31,775.79	23,773
French	1	4,357	5,162	6,889	4,446	5,446.25	5,490
Norwegian	1	4,108	5,063	6,578	4,082	5,135.00	8,107
Totals	7	35,482	44,136	57,975	35,510	42,357.04	37,370
West coast of United States to Cristobal, C. Z.:							
Norwegian	1	1,029	1,024	1,389	1,041	1,228.80	670
Panaman	1	1,383	2,603	2,461	1,384	1,728.75	912
United States	3	13,357	17,216	21,651	13,386	16,696.25	32,264
Totals	5	15,769	20,843	25,501	15,811	19,653.80	33,846
West coast of South America to Cristobal, C. Z.:							
Colombian	2	1,447	1,669	2,288	1,417	1,801.75	652
Ecuadorian	1	302	307	405	308	368.40	430
German	1	618	698	1,023	616	772.50	977
Panaman	1	113	124	207	109	141.25	233
Totals	5	2,480	2,798	3,923	2,450	3,083.90	2,292
Panama Bay to Cristobal, C.Z.:							
Panaman	4	80	116	184	80	100.00	77
Far East to east coast United States:							
Japanese	3	11,359	14,754	17,825	12,891	14,198.75	11,051
United States	1	4,828	6,036	7,597	4,753	6,035.00	5,416
Totals	4	16,187	20,790	25,422	17,644	20,233.75	16,467
West coast of Central America to Cristobal, C. Z.:							
British	2	1,252	1,318	2,308	1,256	1,565.00	1,264
Norwegian	1	485	606	855	482	606.25	452
Totals	3	1,737	1,934	3,163	1,738	2,171.25	1,716
Australasia to east coast of Canada:							
British	3	9,793	12,624	16,163	9,816	12,241.25	6,810
Philippine Islands to east coast United States:							
Japanese	1	4,655	5,676	7,543	4,516	5,818.75	6,153
United States	2	9,349	12,011	13,426	8,439	11,686.25	18,655
Totals	3	14,004	17,687	20,969	12,955	17,505.00	24,808
Australasia to east coast of United States:							
United States	2	10,100	10,132	13,306	10,035	12,158.40	2,142
West coast of United States to east coast of South America:							
Norwegian	2	8,887	10,206	14,063	8,823	11,108.75	18,000
West coast of United States to east coast of Canada:							
British	1	3,926	4,649	7,115	3,943	4,907.50	9,765
United States	1	6,020	8,033	9,648	6,020	7,525.00	16,367
Totals	2	9,946	12,682	16,763	9,963	12,432.50	26,132
West coast of United States to West Indies:							
British	1	8,246	9,593	13,037	8,207	6,906.96	.....
United States	1	4,238	5,187	6,855	4,235	5,297.50	10,835
Totals	2	12,484	14,780	19,892	12,442	12,204.46	10,835
Far East to Europe:							
British	1	4,143	6,645	6,567	4,169	5,178.75	5,543
West coast Canada to West Indies:							
Swedish	1	1,307	1,513	1,600	1,054	1,633.75	2,754
Totals, January, 1927	205	778,421	977,597	1,262,429	777,602	965,596.03	1,501,865
Totals, January, 1926	219	836,987	1,067,021	1,369,619	842,235	1,044,402.45	1,685,445
Totals, January, 1925	175	678,839	845,633	1,095,774	682,757	858,876.04	1,277,909

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers)". Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

Subscription rates, domestic, $0.50 per year; foreign, $1.00; address The Panama Canal Record, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office at Cristobal, C. Z., under the Act of March 3, 1879.

Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., February 16, 1927. No. 28.

Traffic by Nationality for January, 1927.

The following tabulations show the commercial traffic through the Canal during the month of January, 1927, classified according to nationality of vessels, by direction of transit, and the combined traffic in both directions, together with corresponding totals for January, 1926 and 1925:

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
Belgian	1	4,568	4,976	7,138	4,154	$3,582.72	.....
British	[1] 69	282,283	365,756	460,460	283,762	339,811.27	238,109
Chilean	1	3,479	4,672	7,310	3,976	4,348.75	1,651
Colombian	2	1,363	1,669	2,288	1,417	1,694.35	2,212
Danzig	3	17,020	21,900	26,716	15,244	15,768.00	.....
Dutch	5	21,223	28,758	34,532	21,055	26,528.75	17,190
French	5	18,574	23,406	28,208	17,377	21,379.34	8,871
German	11	27,263	36,791	43,514	26,569	34,049.75	43,951
Italian	3	12,311	15,443	20,234	12,426	15,388.75	4,382
Japanese	8	36,242	42,629	53,749	34,603	44,940.40	51,386
Norwegian	9	24,266	32,789	39,174	24,064	27,942.83	24,680
Panaman	7	1,884	3,151	2,852	1,573	2,188.64	2,776
Peruvian	1	3,510	3,544	4,763	3,089	4,252.80	3,171
Spanish	1	2,459	2,827	4,349	2,565	3,073.75	200
Swedish	4	10,351	15,292	26,513	12,732	11,497.12	10,921
United States	107	423,369	536,375	678,453	421,260	459,797.14	330,400
Yugo-Slav	1	3,202	4,056	5,226	3,179	2,920.32	.....
Totals, January, 1927	238	893,367	1,144,034	1,445,479	889,045	1,019,164.68	739,900
Totals, January, 1926	260	960,255	1,233,166	1,569,311	961,923	1,058,965.84	661,198
Totals, January, 1925	226	882,168	1,114,382	1,406,773	878,381	973,148.31	629,560

[1] Includes British cruiser of 37,000 tons disp'acement.

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
British	42	169,178	211,624	271,329	166,657	$205,715.43	240,315
Chilean	1	3,512	4,705	7,310	3,776	4,390.00	5,228
Colombian	2	1,447	1,669	2,288	1,417	1,801.75	652
Danzig	1	6,403	8,085	8,966	5,107	8,003.75	12,418
Dutch	5	24,344	31,674	39,241	24,388	30,430.00	45,781
Ecuadorian	3	448	453	847	464	477.90	430
French	4	15,293	19,061	24,664	15,408	19,116.25	292,51
German	5	14,874	19,771	24,528	14,881	18,592.50	32,393
Italian	1	4,051	5,051	7,028	4,175	5,063.75	3,429
Japanese	13	56,862	63,541	81,359	58,338	70,209.55	87,308
Norwegian	14	42,317	55,320	68,320	42,287	52,838.80	90,114
Panaman	7	4,540	5,873	6,754	4,047	5,606.00	6,342
Peruvian	2	3,556	4,150	5,442	3,162	4,441.65	5,812
Spanish	1	2,960	3,729	5,087	3,000	3,700.00	1,146
Swedish	4	11,574	15,290	37,236	13,481	14,467.50	49,799
United States	99	414,263	524,189	667,738	414,225	517,242.45	885,307
Yugo-Slav	1	2,799	3,412	4,292	2,789	3,498.75	6,140
Totals, January, 1927	205	778,421	977,597	1,262,429	777,602	965,596.03	1,501,865
Totals, January, 1926	219	836,987	1,067,021	1,369,619	842,235	1,044,402.45	1,685,445
Totals, January, 1925	175	678,839	845,633	1,095,774	682,757	858,876.04	1,277,909

COMBINED TRAFFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
Belgian	1	4,568	4,976	7,138	4,154	$3,582.72	....
British	[1] 111	451,461	577,380	731,789	450,419	545,526.70	478,424
Chilean	2	6,991	9,377	14,620	7,752	8,738.75	6,879
Colombian	4	2,810	3,338	4,576	2,834	3,496.10	2,864
Danzig	4	23,423	29,985	35,682	20,351	23,771.75	12,418
Dutch	10	45,567	60,432	73,773	45,443	56,958.75	62,971
Ecuadorian	3	448	453	847	464	477.90	430
French	9	33,867	42,467	52,872	32,785	40,495.59	38,122
German	16	42,137	56,562	68,042	41,450	52,642.25	76,344
Italian	4	16,362	20,494	27,262	16,601	20,452.50	7,811
Japanese	21	93,104	106,170	135,108	92,941	115,149.95	138,694
Norwegian	23	66,583	88,109	107,494	66,351	80,781.63	114,794
Panaman	14	6,424	9,024	9,606	5,620	7,794.64	9,118
Peruvian	3	7,066	7,694	10,205	6,251	8,694.45	8,983
Spanish	2	5,419	6,556	9,436	5,565	6,773.75	1,346
Swedish	8	21,925	30,582	63,749	26,213	25,964.62	60,720
United States	206	837,632	1,060,564	1,346,191	835,485	977,039.59	1,215,707
Yugo-Slav	2	6,001	7,468	9,518	5,968	6,419.07	6,140
Totals, January, 1927	443	1,671,788	2,121,631	2,707,908	1,666,647	1,984,760.71	2,241,765
Totals, January, 1926	479	1,797,242	2,300,187	2,938,930	1,804,158	2,103,368.29	2,346,643
Totals, January, 1925	401	1,561,007	1,960,015	2,502,547	1,561,138	1,832,024.35	1,907,469

[1] Includes British cruiser of 37,000 tons displacement.

Supplement No. 5 to Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., February 7, 1927.

The following additional regulation is hereby established:

M. L. WALKER,
Governor.

(This Regulation should be inserted in Chapter VIII, page 41, of "*Rules and Regulations Governing Navigation of the Panama Canal,*" 1925 edition.)

Regulation 117.2. Rat-guards required by Rule 117 must have a diameter of not less than 3 feet, the thickness of the metal shall be sufficient to maintain the shape of the guard (preferably not less than No. 20 gauge), and the guard shall be so designed as to fit snugly about the cable or hawser. Ships will be required to supply their own rat-guards.

(NOTE—If desired, rat-guards may be purchased from the Receiving and Forwarding Agent, Cristobal, or from the Port Captain, Balboa.)

Notice to Mariners—Aids to Navigation.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., February 12, 1927.

1. The following cable, addressed to the Port Captain, Balboa, has been received from the port authorities at Buenaventura, Colombia:

"Permit me to communicate the location of a new buoy situated 3° 47′ north latitude, and 77° 19′ 10″ west longitude. Characteristics: Zero, 3 second light, 2 minutes and 7 seconds dark. Visibility, 8 nautical miles. White light. The buoy located in 3° 47′ 10″ north latitude and 77° 18′ 30″ west latitude has been changed from white light to red. The route that should be taken by ships entering the port is always that with red light to starboard and white to port. (Signed) Manuel J. Chavarriaga."

2. This seems to considerably modify some of the data furnished us by the same source, as published here in local Notice to Mariners, No. 227, January 25, 1927.

M. L. WALKER,
Governor.

Stevedoring at Canal Terminal Docks.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., February 5, 1927.

To all concerned—The putting into effect of provisions of circular dated July 1, 1926, relating to stevedoring, is indefinitely postponed.

M. L. WALKER,
Governor.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending February 12, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Kellerwald	Hamburg-American Line		February 5		285
Limon	United Fruit Co		February 6		441
Heredia	United Fruit Co	February 6	February 6	304	76
Cardiganshire	Pacific Steam Navigation Co	February 6	February 7	292	162
Mantaro	Peruvian Line	February 6	February 12	1,432	178
City of San Francisco	Panama Mail S. S. Co	February 6		2,335	
La Marseillaise	French Line	February 7	February 8	78	103
Ancon	Panama Railroad S. S. Line		February 8		2,866
Crenatula	Anglo-Saxon Petroleum Co	February 7	February 9	7,541	(1)
London Importer	Furness, Withy & Co	February 7	February 9	(2)	470
Essequibo	Pacific Steam Navigation Co	February 7	February 8	4	30
Agnes E	Pacific Fruit Co	February 8	February 9	14	(1)
Crynssen	Royal Netherlands W. I. Mail	February 8	February 9	69	(1)
Galicia	Hamburg-American Line	February 8	February 9	7	1,293
Buenaventura	Panama Railroad S. S. Line	February 8	February 9	556	20
Sixaola	United Fruit Co	February 9	February 10	334	259
Santa Elisa	Grace Line	February 9	February 10	(2)	4
Heredia	United Fruit Co	February 9	February 9	9	413
Turrialba	United Fruit Co	February 9	February 10	686	249
Granada	Standard Fruit S. S. Co	February 9	February 10	201	8
Oropesa	Pacific Steam Navigation Co	February 10	February 11	94	204
San Bruno	United Fruit Co	February 10	February 10	148	(1)
Acajutla	Pacific Steam Navigation Co	February 10		1,056	
Perou	French Line	February 10	February 12	145	453
Rhodopis	Kosmos Line	February 10	February 12	77	226
Almagro	Pacific Steam Navigation Co	February 10		499	
Murla	Roland Line	February 10	February 12	1,100	(1)
Cali	Roland Line	February 10	February 12	836	(1)
Utacarbon	Union Oil Co	February 10	February 12	10,298	(1)
Tivives	United Fruit Co	February 10	February 10	(3)	4
Pastores	United Fruit Co	February 10	February 11	517	56
Ecuador	Panama Mail S. S. Co	February 11		1,749	
U. D. Vinton	R. Feuillebois	February 11	February 11	(2)	33
Takaoka Maru	Nippon Yusen Kaisha	February 11	February 12	268	(1)
Nessian	Leyland Line	February 11		397	
Bienvenido	Welcome S. S. Line	February 11	February 12	135	(1)
San Blas	United Fruit Co	February 12	February 12	233	388

[1] No cargo laded. [2] No cargo discharged. [3] 1 case.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Two Weeks Ending February 12, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Fred W. Weller	Standard Oil Co	February 2	February 3	4,263	
Elder Branch	F. & W. Ritson	February 2	February 2	1	
Cambrai	U. S. Government	February 3	February 4	208	72
Mataroa	Shaw, Savill & Albion	February 3	February 4	7	
Arawa	Shaw, Savill & Albion	February 3	February 4		7
Jamaica	Pacific Steam Navigation Co	February 5	February 5		2
Bokuyo Maru	Nippon Yusen Kaisha	February 6	February 7	76	
City of San Francisco	Panama Mail S. S. Co	February 6	February 6	84	
Mantaro	Peruvian Line	February 6	February 6	89	
Buenos Aires	Johnson Line	February 6	February 7	141	
La Placentia	Union Oil Co	February 6	February 7	10,600	5
Ecuador	Panama Mail S. S. Co	February 10	February 11	119	
Takaoka Maru	Nippon Yusen Kaisha	February 11	February 11	172	

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, February 12, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Kellerwald	3	20 20	6	2 55	6	11 45	6	18 40	German	Hamburg-American Line	398 0	54 0	24 6	Hamburg, Germany	Valparaiso, Chile	General	5,095	6,544	4,483
Victoria Maru	5	17 08	6	3 40	6	15 25	6	16 39	Japanese	Kab. Kaisha Kawasaki	385 0	51.0	23 0	Baltimore, Md	San Antonio, Chile	Coke	4,009	6,259	4,700
Scottsburg	5	22 40	6	6 45	6	15 49	7	1 40	American	American-Pioneer Line	419.4	56 5	24 0	New York, N. Y.	Far East	Case oil, general	6,815	8,696	6,316
Aras [2]	4	18 15	6	7 05	6	14 12			American	H. J. Chisholm	147.0	26 0	9 0	Habana, Cuba	Balboa, C. Z	Ballast		452	210
Buenos Aires [2]	6	6 59	6	8 05	6	16 19	7	22 40	Swedish	Johnson Line	425 0	56 0	24 6	Antwerp, Belgium	San Francisco, Cal.	General	7,853	7,591	5,661
Osiris [1]	5	20 55	6	11 30	6	18 23	6	23 20	German	Kosmos Line	392 0	51 0	21 10	Hamburg, Germany	Seattle, Wash	General	6,572½	5,788	4,023
Vino Tinto [4]			6	8 50	6	10 41			American	San Blas Dev. Corp.				Cristobal, C. Z	Gatun, C. Z	Towing barge		7	7
Hororata	6	19 45	7	1 30	7	9 39	7	10 54	British	N. Z. Shipping Co	511.1	64.1	26 9	London, England	Bluff, N. Z	General	3,873	12,623	8,763
Cardiganshire	6	2 25	7	4 14	7	13 26	7	14 29	British	Royal Mail S. P. Co	500 0	62.0	22 6	Rotterdam, Holland	Vancouver, B. C.	General	4,171	11,420	8,385
Tejon [1]	5	17 45	7	2 35	7	11 12	7	12 35	American	General Petroleum Co.	425.0	57.0	12 2	Cristobal, C. Z	Los Angeles, Calif	Ballast		7,218	4,953
William Green [4]	6	14.00	7	6 05	7	14 15	7	15 10	American	Pan-Amer. Pet. & Tr. Co.	430.0	58 2	18 0	Providence, R. I.	Los Angeles, Calif	Ballast		6,973	4,670
District of Columbia [1]	6	14 50	7	7 05	7	14 25	7	15 49	American	Standard Oil Co.	431.0	59 2	19 0	New York, N. Y.	San Francisco, Cal.	Ballast		8,097	5,431
Alexandria	6	19 05	7	7 25	7	15 47	7	17 19	German	Hamburg-American Line	237.8	35 9	12 0	Hamburg, Germany	Champerico, Guat	Ballast		1,631	1,076
F. H. Hillman [3]	7	4 00	7	8 15	7	16 10	7	20 38	American	Standard Oil Co	500 0	68 2	20.0	London, England	San Francisco, Cal.	Ballast		11,225	7,913
Euro	7	10.15	7	12 40	7	20 47	7	22 04	Italian	Canadian Transp. Co.	387.6	51 5	23 0	Galveston, Tex.	Powell River, B.C	Sulphur	4,700	6,193	4,784
Chilore	5	6 55	7	13 15	7	21 27	7	22 40	American	Ore S. S. Corp	549 0	72 0	20 6	Norfolk, Va.	Cruz Grande, Chile	Ballast		14,538	9,348
Swan [5]			7	7 00	7	15 51	7	18 10	American	U. S. Navy	180.0	35 6		Cristobal, C. Z.	Balboa, C. Z	(7)			
La Marseillaise	7	7 05	8	1 55	8	9 32	8	14 15	French	French Line	429.5	58 2	17 6	Havre, France	Vancouver, B. C.	General	1,694	8,079	5,580
Clydebank [3]	7	18 00	8	3 05	8	10 27	8	12 56	British	Andrew Weir & Co	419.6	53 9	23.0	Philadelphia, Pa.	Itosaki, Japan	General, gasoline	6,200	7,101	5,018
Charles Pratt [3]	7	20 10	8	5 05	8	12 36	8	13 45	American	Standard Oil Co	500 0	68 0	19 0	New York, N. Y.	Los Angeles, Calif.	Ballast		10,313	7,492
Anniston City	7	22 18	8	6 25	8	14.02	8	20 50	American	Isthmian S. S. Lines	424.2	56.2	26.0	Philadelphia, Pa.	Dutch East Indies	(8)	8.573	7,611	5,450
Henry D. Whiton	8	2 10	8	6 43	8	15 58	8	17.05	American	Union Sulphur Co	356.0	51.6	25.4	Sabine, Tex	Los Angeles, Calif	Sulphur	6,490	5,367	2,925
San Nazario [3]	8	7.00	8	7 40	8	16 48	8	23 28	British	Anglo-Mexican Pet. Co.	525.6	66.5	29.0	London, England	Los Angeles, Calif	Ballast		12,158	8,463
Robin Gray	8	10.15	8	10.30	8	17 27	8	21.50	American	Seas Shipping Co	425.0	55.0	27.6	New York, N. Y.	Tacoma, Wash	Steel, general	8,896	7,472	5,542
Florence Luckenbach	8	10.25	8	10 50	8	18.18	8	19.45	American	Luckenbach Line	401.0	52.3	20.0	New Orleans, La.	Seattle, Wash	General	6,275	6,002	4,621
Air Station [6]			8		8				American	U. S. Navy				Cristobal, C. Z.	Balboa, C. Z				
London Importer	7	7 53	9	09.02	9	9 27	9	10.16	British	Furness, Withy & Co.	450.0	57.9	19.3	Manchester, Eng.	Vancouver, B. C.	General, bananas	1,608½	8,405	5,855
Willboro	8	15 00	9	1 35	9	10 18	9	11.15	American	Williams S. S. Line	414 7	55 7	20.5	Baltimore, Md	Seattle, Wash	General	5,100	7,717	5,763
India Arrow [1]	8	17 53	9	3 05	9	11 04	9	14 15	American	Standard Oil Co	468 3	62 7	19.6	Providence, R. I.	San Francisco, Cal.	Ballast		10,084	7,426
Dalworth	8	18 15	9	5 00	9	13 02	9	15 50	British	R. S. Dalgliesh	400 0	52 5	17.0	North Shields, Eng.	San Francisco, Cal.	Ballast		6,524	4,686
Selvistan	8	18 50	9	6 20	9	13 57	9	15 25	British	Common Brothers	390 0	53.5	15.0	Cardiff, England	Vancouver, B. C.	Ballast		5,619	4,127
San Melito [1]	9	00.40	9	7.00	9	14.17	9	15.25	British	Anglo-Mexican Pet. Co.	530.0	66 5	21.8	Liverpool, England	Los Angeles, Calif	Ballast		12,381	8,800
George H. Jones [1]	9	6 40	9	8 00	9	15 16	9	16.45	American	Standard Oil Co	429.0	59 2	24.0	New York, N. Y.	Talara, Peru	Ballast		7,689	5,383
Crenatula [1]	7	18 18	9	8 26	9	15 58	9	16 55	British	Anglo-Saxon Pet. Co.	400.0	52.2	19.8	Cristobal, C. Z.	Los Angeles, Calif	Ballast		6,021	4,180
La Habra [1]	9	6 45	9	9.35	9	16.50	10	00.55	Norwegian	Anglo-Saxon Pet. Co.	425.0	57.0	18.6	London, England	Los Angeles, Calif	Ballast		7,053	5,051

[1] Tanker. [2] Yacht. [3] Motor ship. [4] Launch. [5] Mine sweeper. [6] Launch. [7] Towing barge *No. 2*. [8] Sulphate, steel, tin plates, and general.

William Rockefeller [1]	9	9.20	9	10.00	9	18.08	9	19.14	American	Standard Oil Co.	554.9	75.3	22.0	Baltimore, Md.	Los Angeles, Calif.	Ballast		14,785	10,313
Robert E. Hopkins [1]	9	9.35	9	10.55	9	19.04	9	20.12	American	Tidewater Oil Co.	424.0	58.2	19.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,335	5,182
F. J. Luckenbach	9	8.45	9	12.33	9	19.56	9	20.52	American	Luckenbach Line	446.0	56.0	28.6	Boston, Mass.	Seattle, Wash.	General	8,392	8,508	6,179
Franklin K. Lane [1]	9	11.55	9	13.05	9	20.50	9	21.45	American	Huasteca Petroleum Co.	435.0	56.2	22.0	Norfolk, Va.	Los Angeles, Calif.	Ballast		7,405	5,131
Agnes E. [9]	8	20.30	9	11.30	9	19.58	10	8.00	Panaman	Pacific Fruit Co.	57.0	20.0	6.3	Cristobal, C. Z.	Balboa, C. Z.	Ballast		57	29
Sheafmount	9	13.30	10	00.15	10	9.36	10	10.49	British	Com'lth & Dom. Line	420.0	54.1	21.5	New York, N. Y.	Auckland, N. Z.	General	4,600	6,555	5,012
S. M. Spalding [1]	9	17.40	10	1.25	10	10.22	10	11.35	American	Huasteca Petroleum Co.	435.0	56.0	23.0	Boston, Mass.	Los Angeles, Calif.	Ballast		7,331	5,111
Santa Elisa	9	15.35	10	3.00	10	11.15	10	16.10	American	Grace Line	360.3	51.7	24.3	New York, N. Y.	Talcahuano, Chile	General	2,571	5,957	4,325
Puriri	9	20.45	10	4.15	10	12.25	10	13.35	British	P. Steamers	475.6	60.9	28.0	Antwerp, Belgium	Auckland, N. Z.	General	9,422	8,946	6,145
West Montop	10	4.25	10	6.25	10	13.47	10	14.40	American	Calif. & East'n S. S. Co.	410.0	54.4	19.7	Philadelphia, Pa.	Seattle, Wash.	General	3,543¾	6,484	4,675
Oran	10	2.05	10	6.30	10	16.00	10	17.00	American	Oriental Navigation Co.	410.5	54.2	20.6	Newport News, Va	Portland, Oreg.	General	3,706	6,755	4,887
Westmoor [3]	9	21.20	10	7.50	10	16.59	11	2.00	British	W. Runciman & Co.	375.0	53.0	23.0	Manati, Cuba	Hongkong, China	Sugar	7,350	6,039	4,633
Dakotan	10	3.45	10	8.45	10	17.19	10	18.29	American	Amer.-Hawaiian Line	407.7	53.7	23.0	Boston, Mass.	Seattle, Wash.	General	5,999	7,156	5,058
Aurora [1]	10	6.35	10	10.05	10	17.56	10	19.15	American	Standard Transp. Co.	430.0	59.0	16.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,825	5,102
Suscolanco	10	6.45	10	10.40	10	19.33	10	21.30	American	Transmarine Lines	324.0	46.0	22.0	New York, N. Y.	Oakland, Calif.	General	4,200	3,984	2,612
Tut [4]	.....	.....	10	.....	10	12.38	.....	.....	American	J. J. Burton	.....	.....	.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast		1	1
No. 3677 [11]	.....	.....	10	.....	10	12.38	.....	.....	American	J. J. Burton	.....	.....	.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast		1	1
Port Caroline	10	11.25	11	00.05	11	13.54	11	15.25	British	Com'lth & Dom. Line	480.0	62.0	28.11	London, England	Auckland, N. Z.	General	9,874	10,740	7,829
Point Judith	10	15.05	11	1.25	11	14.30	11	15.40	American	Swayne & Hoyt	289.0	44.0	19.6	New Orleans, La.	San Francisco, Cal.	General	2,846	2,902	1,962
Charles Christensen	11	3.40	11	4.10	11	16.05	11	20.23	American	Arrow Line	407.7	54.2	16.0	Baltimore, Md	San Francisco, Cal.	General	1,714	6,693	4,915
Leikanger	11	3.45	11	5.30	11	18.05	11	19.19	Norwegian	Flood Brothers	375.0	52.0	14.0	Lisbon, Portugal	San Francisco, Cal.	Cork, general	436	4,953	4,354
San Lorenzo [1]	11	5.15	11	6.35	11	19.00	12	1.15	British	Anglo-Mexican Pet. Co.	527.4	66.6	21.0	Liverpool, England	Los Angeles, Calif.	Ballast		12,116	9,023
President Hayes	11	6.48	11	7.20	11	15.14	12	00.29	American	Dollar Line	502.0	62.0	29.0	New York, N. Y.	San Francisco, Cal.	Gen., machinery	3,911	12,023	8,443
Tilthorn	11	6.22	11	7.55	11	19.45	11	21.31	Norwegian	E. I. DuPont	420.2	53.9	16.0	Norfolk, Va.	Iquique, Chile	Ballast		6,591	4,730
Oropesa	10	19.40	11	9.09	11	17.13	12	1.53	British	Pacific Steam Nav. Co.	530.0	66.0	24.0	Liverpool, England	Coronel, Chile	General	3,994	14,824	10,627
Hagood [2]	11	6.45	11	10.05	11	20.34	11	23.44	American	Crew, Levick & Co.	435.6	56.2	20.0	Philadelphia, Pa.	Los Angeles, Calif	Ballast		7,426	5,094
Sudbury	9	13.35	11	10.45	11	21.37	11	22.49	American	Munson S. S. Line	334.8	51.0	22.0	Baltimore, Md.	Los Angeles, Calif.	General	5,810	5,571	4,033
Cali	10	16.25	12	1.55	12	11.32	12	13.00	German	Roland Line	216.6	32.9	15.0	Cristobal, C. Z.	Buenaventura, Col.	Ballast		1,105	698
Murla	10	11.30	12	3.15	12	11.40	12	15.25	German	Roland Line	449.0	58.0	23.10	Hamburg, Germany	San Antonio, Chile	General	6,680	7,727	5,349
Utacarbon [1]	10	22.15	12	4.50	12	12.18	12	13.45	American	Union Oil Co.	435.0	56.0	18.10	Cristobal, C. Z.	Los Angeles, Calif.	Ballast		7,482	5,209
Stockwell	11	16.35	12	6.25	12	13.47	12	14.35	British	Cunard Line	425.0	53.9	22.0	New York, N. Y.	Sydney, N. S. W.	General	3,550	6,267	4,411
Sciota [10]	.....	.....	12	6.15	12	13.47	13	7.09	American	U. S. Navy	149.3	30.0	.....	Cristobal, C. Z.	Balboa, C. Z.	Towing barge		.....	.....
J. A. Moffett, Jr. [1]	11	20.20	12	7.05	12	14.45	12	15.35	American	Standard Oil Co.	499.2	68.1	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast		11,037	7,995
Hague Maru	12	7.10	12	8.10	12	16.33	12	17.45	Japanese	Osaka Shosen Kaisha	497.3	59.10	23.0	New York, N. Y.	Shanghai, China	General	4,931	6,533	4,772
Port Hacking	12	6.35	12	9.10	12	17.05	12	18.05	British	Com'lth & Dom. Line	440.0	55.9	24.11	New York, N. Y.	Adelaide, Australia	General	4,500	7,885	5,847
R. W. Stewart [11]	12	9.05	12	10.05	12	17.55	12	18.59	American	Huasteca Petroleum Co.	467.0	62.5	20.0	Providence, R. I.	Los Angeles, Calif	Ballast		9,363	6,874
Feltore	11	11.58	12	11.20	12	18.50	12	19.53	American	Ore S. S. Corp.	449.0	57.2	19.0	Norfolk, Va.	Cruz Grande, Chile	Ballast		7,80	5,139
Mantaro	6	20.45	12	12.39	12	19.41	12	20.55	Peruvian	Peruvian Line	367.0	46.0	19.6	Cristobal, C. Z.	Callao, Peru	General	178	4.83	2,959

[1] Tanker. [9] Motor schooner. [10] Tug. [11] Panga.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Lebore	5	23.00	6	6.20	6	16.40	6	16.40	American	Ore S. S. Corp.	549.65	72.25	35.6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	14,325	4,635
Robin Goodfellow	5	22.05	6	7.22	6	17.00	6	17.10	American	Seas Shipping Co.	428.8	55.2	26.4	Vancouver, B. C.	Baltimore, Md.	Lumber	7,017	7,471	5,536
Colonia [12]	6	2.00	6	8.52	6	18.20	7	6.15	British	Tel. Cons. & Main. Co.	470.3	56.0	17.4	Valparaiso, Chile	London, England	Ballast		8,607	5,442

[12] Cable ship.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Memanja	6	6.00	6	9.24	6	18.55	7	1.58	Yugo-Slav	Baburizza & Co.	400.0	52.3	26.0	Antofagasta, Chile	Hampton R'ds, Va.[18]	Nitrate	7,747	5,748	4,056
Mantaro	6	6.00	6	12.47	6	20.45	12	12.39	Peruvian	Peruvian Line	367.3	46.0	19.0	Callao, Peru	Cristobal, C. Z.	General	1,432	4,838	2,959
City of San Francisco[13]	6	10.00	6	14.48	6	21.45			American	Panama Mail S. S. Co.	314.06	46.06	20.0	San Francisco, Cal.	Cristobal, C. Z.	Coffee, general	2,335½	3,848	2,606
Lumina[1]	7	4.50	7	6.15	7	14.15	7	21.35	British	Anglo-Saxon Pet. Co.	407.6	52.3	25.3	San Francisco, Cal.	Land's End, Eng.[18]	Gasoline	7,541	5,940	4,108
Crematula[1]	6	15.30	7	7.11	7	18.18	9	8.20	British	Anglo-Saxon Pet. Co.	409.0	52.3	26.0	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	7,541	6,021	4,181
Pacific Spruce	6	19.00	7	8.28	7	18.35	7	18.35	American	Ocean Transp. Co.	419.5	54.0	26.4	Tacoma, Wash.	Philadelphia, Pa.	Lumber	7,195	9,398	6,453
Oriole	7	2.45	7	9.18	7	20.20	7	20.20	American	Quaker Line	405.0	54.2	25.6	Portland, Oreg.	Philadelphia, Pa.	Lumber	6,800	6,755	4,873
Essequibo	7	8.40	7	9.46	7	19.45	8	00.05	British	Pacific Steam Nav. Co.	450.65	57.86	26.8	Talcahuano, Chile	New York, N. Y.	General	3,716	9,158	6,176
Fella[14]	7	3.45	7	10.22	7	21.20	8	2.45	Italian	Nav. Libera-Triestina	447.7	55.4	28.0	Vancouver, B. C.	Trieste, Italy	General	8,456	7,784	5,913
El Capitan	7	10.30	7	11.27	7	20.18	7	22.18	American	Swayne & Hoyt	289.0	44.0	19.0	Vancouver, B. C.	New Orleans, La.	Lumber, general	2,753	2,939	2,020
Sunagesteo	7	10.20	7	11.38	7	22.25	7	22.25	American	Transmarine Lines	324.0	46.2	24.6	Aberdeen, Wash.	New York, N. Y.	Lumber	4,206	3,984	2,628
Cerro Azul[1]	7	19.40	8	6.19	8	15.30	8	15.30	American	Huasteca Petroleum Co.	480.5	66.0	27.10	Los Angeles, Calif.	Providence, R. I.	Fuel oil	12,670	9,398	6,453
Stuart Dollar	7	20.30	8	7.22	8	16.20	8	16.20	American	Dollar Line	429.0	55.0	28.10	Seattle, Wash.	New York, N. Y.	General	10,456	7,584	5,538
Frost[13]	7	23.45	8	7.48	8	17.20	8	18.40	Swedish	Hans Erisson	285.6	41.0	16.8	Seattle, Wash.	Manzanillo, Cuba.	Lumber	2,287	2,460	1,574
Aras[14]	6	14.12	8	8.13	8	17.15	9	11.30	American	H. J. Chisholm	147.0	26.0		Balboa, C. Z.	Kingston, Jamaica	Ballast			
Montrolite[13]	8	1.55	8	9.27	8	18.50	8	18.50	British	Imperial Oil Co., Ltd.	510.9	68.25	29.11	Los Angeles, Calif.	Halifax, N. S.	Crude oil	15,491	11,555	7,678
Buenaventura	8	4.00	8	10.19	8	20.28	9	18.53	American	Panama R. R. S. S. Line	251.0	43.0	20.0	Guayaquil, Ecuador	New York, N. Y.	General	2,164	2,873	1,776
Kentuckian	8	4.49	8	10.43	8	19.30	8	19.30	American	Amer.-Hawaiian Line	414.5	53.7	24.6	Tacoma, Wash.	Boston, Mass.	General	5,820	7,049	4,941
Santa Cecilia	8	8.00	8	11.50	8	21.25	8	21.25	American	Planet Line	404.6	53.7	27.9	Vancouver, B. C.	Baltimore, Md.	Lumber, general	7,600	6,745	4,562
Agnes E.[15]	8	11.05	8	12.18	8	21.30	9	11.30	Panaman	Pacific Fruit Co.	57.8	19.7	6.5	Panama Bay, R. P.	Cristobal, C. Z.	Bananas	14	57	29
Calliope[13]	8	16.00	9	5.59	9	18.10	9	18.10	Danzig	Baltisch Amerikanische Petroleum Co.	470.2	63.2	28.0	Los Angeles, Calif.	Rotterdam, Holland	Naphtha	11,742	9,001	5,927
Andrea F. Luckenbach	8	20.40	9	7.13	9	18.55	9	18.55	American	Luckenbach Line	496.0	68.2	29.8	Portland, Oreg.	Philadelphia, Pa.	Lumber, general	12,982	11,487	8,762
Wido	9	1.39	9	8.13	9	20.40	9	23.25	German	Roland Line	393.4	54.3	25.6	Valparaiso, Chile	Antwerp, Belgium	General	8,100	6,585	4,631
Sciota[16]			9	12.04	9	20.00	12	6.15	American	U. S. Navy	155.0	30.0	16.0	Balboa, C. Z.	Cristobal, C. Z.				
Acantia	9	19.50	10	6.13	10	15.45			British	Pacific Steam Nav. Co.	215.7	33.5	16.7	Champerico, Guat.	Cristobal, C. Z.	General	1,056	1,273	706
Lake Ormac	9	20.40	10	7.09	10	15.40	11	3.40	American	Ford Motor Co.	259.5	43.8	24.6	Aberdeen, Wash.	New York, N. Y.	([19])	4,000	2,529	1,668
Suboatco	9	21.37	10	7.36	10	21.05	12	15.45	American	Transmarine Lines	324.0	46.2	23.0	Aberdeen, Wash.	Port Newark, N. J.	Lumber	4,536	3,984	2,628
Cali	10	6.30	10	8.06	10	16.25	12	1.55	German	Roland Line	228.0	33.0	16.0	Guayaquil, Ecuador	Cristobal, C. Z.	General	836	1,105	698
Rhodopis	10	9.50	10	19.30	10	19.30	12	1.45	German	Kosmos Line	435.5	53.20	25.0	Punta Arenas, Chile	Hamburg, Germany	Nitrate, general	8,118	7,525	5,154
Utacarbon[1]	10	11.15	10	12.14	10	22.15	12	4.50	American	Union Oil Co. of Calif.	435.0	56.0	28.4	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	10,298	7,482	5,209
Golden Gate	10	12.15	10	13.22	10	22.00	10	23.10	Norwegian	Knut Knutsen	381.5	53.1	24.0	Vancouver, B. C.	London, England	Wheat in bulk	6,500	5,616	3,879
Suspearco	10	7.15	10	14.43	10	22.40	11	00.15	American	Transmarine Lines	324.0	46.2	22.10	Portland, Oreg.	New York, N. Y.	Lumber	3,750	3,984	2,612
Ecuador	10	14.30	11	6.49	11	16.05	13	1.20	American	Panama Mail S. S. Co.	380.5	48.7	26.0	San Francisco, Cal.	New York, N. Y.	General, coffee	3,749	5,926	4,178
Swan[17]			11	6.41	11	16.10			American	U. S. Navy	187.0	35.0		Balboa, C. Z.	Cristobal, C. Z.	Towing barge			
Southwestern Miller	10	18.25	11	7.03	11	16.50	11	16.45	British	Furness, Withy & Co.	420.0	53.45	27.0	Vancouver, B. C.	Liverpool, England	General	8,102	7,138	5,122
D. G. Scofield[1]	10	19.30	11	7.19	11	17.50	11	17.50	American	Standard Transp. Co.	439.5	58.0	30.3	Los Angeles, Calif.	Baltimore, Md.	Fuel oil	11,258	8,698	5,935

[1] Tanker. [13] Motor ship. [14] Yacht. [15] Motor schooner. [16] Tug. [17] Mine sweeper. [18] For orders. [19] Lumber and Ford parts.

Vega [20]	10	22.00	11	7.34	11	19.00	14	8.40	American	U. S. Navy	401.0	54.3	24.4	San Diego, Calif.	Norfolk, Va.	([21])	3,415	.....	.....
Kermit	11	5.00	11	8.31	11	19.47	11	23.45	American	United American Line	471.1	59.1	27.03	Seattle, Wash.	Antwerp, Belgium	General	9,109	9,032	6,655
Willfaro	11	4.00	11	8.56	11	20.20	11	20.20	American	Williams S. S. Line	386.8	52.2	.....	Seattle, Wash.	New York, N. Y.	Lumber, general	6,123	5,684	4,070
Bengloe	10	22.45	11	9.25	11	21.35	11	22.50	British	Ben S. S. Line	405.1	52.6	24.3	Portland, Oreg.	Leith, Scotland	([22])	7,900	5,870	4,359
Royal Arrow [1]	11	5.50	11	10.04	11	22.08	11	22.08	American	Standard Transp. Co.	467.6	62.7	26.9	San Francisco, Cal.	New York, N. Y.	Gas oil (bulk)	12,000	9,699	6,895
Mississippi	10	21.00	11	10.19	11	23.30	13	6.00	French	French Line	410.0	52.4	26.0	Antofagasta, Chile.	Europe	General	7,536	7,156	4,984
Poseidon	11	6.00	11	10.48	11	23.45	11	23.45	German	Hamburg-American Line	453.0	57.5	26.4	Punta Arenas, Chile	Hamburg, Germany	General	8,582	7,684	5,234
Vulcan City	11	13.15	11	13.49	12	00.35	12	3.10	British	St. Just S. S. Co.	429.4	54.5	26.0	Vancouver, B. C.	Hull, England	Wheat	7,590	6,870	5,043
Takaoka Maru	11	1.50	11	14.29	12	2.25	12	12.55	Japanese	Nippon Yusen Kaisha	445.0	58.0	25.6	Manila, P. I.	New York, N. Y.	General	8,626	.....	.....
Bethore	11	14.00	11	15.14	12	17.25	12	17.25	American	Ore S. S. Corp.	550.3	72.2	34.6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	19,800	15,476	4,354
Lubrafol [1] [23]	9	18.15	12	6.30	12	18.10	12	18.10	Belgian	Society Anoyme Industry & Commerce.	457.0	57.0	27.2	San Francisco, Cal.	Antwerp, Belgium	([23])	9,462	7,615	4,976
Canadian Spinner	12	4.00	12	7.15	12	19.25	12	21.15	British	Can. Gov. Mer. Marine	400.0	52.14	15.2	Auckland, N. Z.	Halifax, N. S.	General	2,541	5,871	4,093
Bors	3	3.00	12	13.00	12	21.00	12	22.10	Norwegian	Skogland Line	229.7	32.0	17.0	Antofagasta, Chile.	Mobile, Ala.	Nitrate	1,614	1,352	800

[1] Tanker. [20] Supply ship. [21] General, house effects, gun, and parts. [22] Wheat, concentrates, and lumber. [23] Gas and lubricating oils.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

*ARRIVALS.

Date.	Vessel.	Line.	From—
February 6	Heredia	United Fruit Co.	New Orleans via Habana
February 8	Crynssen	Royal Netherlands W. I. Mail	Amsterdam via wayports
February 8	Galicia	Hamburg-American Line	Puerto Barrios.
February 9	Reliance	Hamburg-American Line	New York via wayports.
February 9	Columbus	North German Lloyd	New York.
February 9	Turrialba	United Fruit Co.	New Orleans via Habana.
February 9	Heredia	United Fruit Co.	Port Limon via Bocas.
February 9	Sixaola	United Fruit Co.	New York via Kingston.
February 9	Milwaukee [24]	U. S. Navy	Bragman's Bluff, Nicaragua.
February 9	Granada	Standard Fruit S. S. Co.	New Orleans.
February 9	Flor de Panama [25]	A. Tagaropulos	Colon, Rep. of Panama.
February 9	Caberia [25]	A. Tagaropulos	Colon, Rep. of Panama.
February 9	Willinnis [25]	A. Tagaropulos	Colon, Rep. of Panama.
February 9	Emperador [26]	A. Tagaropulos	Colon, Rep. of Panama.
February 9	Maria Cristina [25]	A. Tagaropulos	Colon, Rep. of Panama.
February 9	Convert [25]	A. Ferrari	Colon, Rep. of Panama.
February 9	Victory [27]	Eisenmann & Eleta	Colon, Rep. of Panama.
February 10	Tivives	United Fruit Co.	Santa Marta, Colombia.
February 10	Pastores	United Fruit Co.	New York via wayports.
February 10	San Bruno	United Fruit Co.	Philadelphia, Pa.
February 10	Perou	French Line	St. Nazaire via wayports.
February 11	Montroyal	Canadian Pacific S. S. Co.	New York via wayports.
February 11	Nessian	Leyland Line	Liverpool via wayports.

[24] Cruiser. [25] Motor schooner.

*DEPARTURES.

Date.	Vessel.	Line.	For—
February 6	Limon	United Fruit Co.	New York.
February 6	Caledonia	Anchor Line	Curacao, D. W. I.
February 6	Heredia	United Fruit Co.	Port Limon, Costa Rica.
February 8	Valleriestra ex Cariari.	Costa Rican Government	Colon, Rep. of Panama.
February 8	Ancon	Panama Railroad S. S. Line	New York via Haiti.
February 9	Heredia	United Fruit Co.	New Orleans via Habana.
February 9	Crynssen	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
February 9	Columbus	North German Lloyd	New York via wayports.
February 9	Galicia	Hamburg-American Line	Hamburg via wayports.
February 9	Flor de Panama [25]	A. Tagaropulos	Colon, Rep. of Panama.
February 9	Caberia [25]	A. Tagaropulos	Colon, Rep. of Panama.
February 9	Willinnis [25]	A. Tagaropulos	Colon, Rep. of Panama.
February 9	Emperador [26]	A. Tagaropulos	Colon, Rep. of Panama.
February 9	Maria Cristina [25]	A. Tagaropulos	Colon, Rep. of Panama.
February 9	Convert [25]	A. Ferrari	Colon, Rep. of Panama.
February 9	Victory [27]	Eisenmann & Eleta	Colon, Rep. of Panama.
February 10	Sixaola	United Fruit Co.	Colombian ports.
February 10	Tivives	United Fruit Co.	New York via Kingston.
February 10	Turrialba	United Fruit Co.	New Orleans via wayports.
February 10	Milwaukee [24]	U. S. Navy	High seas.
February 10	San Bruno	United Fruit Co.	Boston via wayports.
February 10	Reliance	Hamburg-American Line	New York via wayports.
February 10	Granada	Standard Fruit S. S. Co.	San Blas coast, Rep. of Panama.

[26] Schooner. [27] Motor schooner and barge.

* Other than ships passing through the Canal.

(Continued on page 376, column 2.)

Origin and Destination of Cargo Passing Through the Panama Canal, from the Atlantic to the Pacific, January, 1927.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.							Asia.					Australasia.					
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America.	West coast of North America.[1]	Balboa.[2]	Hawaii.	Total, North America.	Japan.	China.	Philippines.	Far East.[1]	Total, Asia.	Australia.	New Zealand.	Australasia.[1]	Total, Australasia.	Grand totals.	Per cent of total cargo.
North America:																								
United States—																								
North Atlantic ports	16,877	2,001	2,100	3,336	5,982	30,296	206,111	1,995	425	.....	.....	3,716	212,157	47,262	21,199	2,823	26,725	98,009	41,313	8,002	903	50,218	390,680	52.8
South Atlantic ports	.....	.....	.....	.....	.....	.....	397	.....	.....	.....	.....	.....	397	8,788	751	.....	269	9,808	.....	.....	.....	.....	10,115	1.4
Gulf ports	255	114	.....	.....	3,057	3,426	28,279	.....	.....	.....	.....	.....	28,279	19,895	8,032	.....	26,936	54,863	29,385	.....	.....	29,385	115,944	15.6
Totals, U. S.	17,132	2,115	2,100	3,336	9,039	33,722	234,688	1,995	425	.....	.....	3,716	240,734	75,945	29,982	2,823	53,930	162,680	70,698	8,002	903	79,603	516,739	69.8
Cristobal, C. Z.[2]	155	.....	294	261	3,710	4,423	1,887	.....	9,499	.....	1	.....	11,297	.....	.....	.....	.....	.....	.....	.....	.....	.....	15,720	2.1
East coast of Canada	.....	.....	.....	.....	.....	.....	.....	16,598	.....	.....	.....	.....	16,598	.....	.....	.....	.....	.....	3,840	6,885	.....	10,725	27,323	3.7
West Indies	.....	.....	.....	.....	.....	.....	1,009	.....	.....	.....	7,500	.....	8,500	7,994	.....	.....	.....	7,994	.....	.....	6,279	6,279	22,773	3.1
Totals, N. America	17,287	2,115	2,394	3,600	12,749	38,145	237,575	18,593	9,834	.....	7,501	3,716	277,129	83,939	29,982	2,823	53,930	170,674	74,538	14,887	7,182	96,607	582,555	78.7
Europe:																								
British Isles	5,134	.....	.....	340	12,386	17,860	648	4,116	.....	3,893	.....	.....	8,657	.....	.....	.....	.....	.....	.....	39,202	.....	392,02	65,719	8.9
Belgium	97	.....	.....	352	1,899	2,339	16,523	101	157	4,800	.....	.....	21,581	.....	.....	.....	.....	.....	.....	.....	.....	.....	23,920	3.2
France	628	.....	.....	20	.....	648	36	.....	.....	.....	.....	.....	36	.....	.....	.....	.....	.....	.....	.....	2,955	2,955	3,639	0.5
Germany	2,698	1,684	80	440	13,531	18,433	2,691	777	3,188	.....	.....	.....	6,656	.....	.....	.....	.....	.....	.....	.....	.....	.....	25,089	3.4
Holland	28	.....	.....	.....	.....	28	1,282	14	.....	.....	.....	.....	1,296	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,324	0.2
Italy	.....	.....	.....	.....	462	462	633	216	936	1,376	.....	.....	3,161	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,623	0.5
Norway and Sweden	.....	.....	.....	.....	.....	.....	3,887	.....	1,055	.....	.....	.....	4,942	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,942	0.6
Spain and Portugal	200	.....	.....	.....	.....	200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	200	.....
Europe[1]	.....	.....	.....	.....	7,712	7,712	4,589	.....	1,343	5,434	.....	.....	11,357	.....	.....	.....	.....	.....	.....	.....	.....	.....	19,069	2.6
Totals, Europe	8,785	1,684	80	1,152	35,981	47,682	30,280	5,224	6,679	15,503	.....	.....	57,686	.....	.....	.....	.....	.....	.....	39,202	2,955	42,157	147,525	19.9
E. coast of So. America	.....	.....	.....	.....	.....	.....	6,382	1,083	.....	.....	.....	.....	7,465	567	.....	.....	1,788	2,355	.....	.....	.....	.....	9,820	1.4
Grand totals	26,072	3,799	2,474	4,752	48,730	85,827	274,237	24,810	16,513	15,503	7,501	3,716	342,280	84,506	29,982	2,823	55,718	173,029	74,538	54,089	10,137	138,764	739,900	100.0
Per cent of total cargo:																								
January, 1927	3.5	0.5	0.3	0.6	6.7	11.6	37.1	3.3	2.2	2.1	1.0	0.5	46.2	11.5	4.0	0.4	7.5	23.4	11.1	7.3	1.4	19.8	100.0	.....
January, 1926	8.4	1.5	0.3	2.1	5.3	17.6	36.2	2.2	2.5	0.1	.....	1.0	42.0	10.9	6.1	1.4	4.9	23.3	4.1	9.9	3.1	17.1	100.0	.....
January, 1925	3.0	.....	.....	0.4	11.9	15.3	37.1	1.9	2.6	2.6	.....	0.5	44.7	6.2	1.2	1.2	11.9	20.5	6.3	7.2	6.0	19.5	100.0	.....

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, January, 1927.

(Figures represent tons of 2,240 pounds.)

From—	North America. United States. North Atlantic ports.	North America. United States. South Atlantic ports.	North America. United States. Gulf ports.	North America. United States. Total, United States.	North America. East coast of Canada.	North America. West Indies.	North America. East coast Mexico and Cen. America.	North America. Cristobal, C. Z.[2]	North America. Total, North America.	Europe. British Isles.	Europe. Belgium.	Europe. Denmark.	Europe. France.	Europe. Germany.	Europe. Holland.	Europe. Italy.	Europe. Norway and Sweden.	Europe. Spain and Portugal.	Europe. Europe.[1]	Europe. Total, Europe.	East coast of South America.	Egypt.	Grand totals.	Per cent of total cargo.
South America:																								
Chile	143,584	24,283	12,847	180,714		738		686	182,138	7,515	1,345		5,703	3,310	1,016	2,761		812	41,402	63,864	2,000		248,002	16.5
Colombia	1,382			1,382				3,405	4,787														4,787	0.3
Ecuador	1,546			1,546				2,472	4,018									33	2,593	2,626			6,644	0.4
Peru	18,440	12,500		30,940				178	31,078	13,478					15				10,442	24,071			55,149	1.1
W. coast So. Amer.[1]	1,445			1,445				206	1,651	8,189									5,981	14,170			15,821	3.7
Totals, So. Amer.	166,357	36,783	12,847	215,987		738		6,947	223,672	29,182	1,345		5,703	3,310	1,166	2,761		845	69,419	104,731	2,000		330,403	22.0
North America:																								
West coast Canada	25,599		599	26,198		5,093			31,291	35,749	1,612		5,109	701	3,775		2,910		103,675	153,521	290		184,925	12.3
W. coast Cen. Am.	15			15				2,881	2,896				15	32			737			784			3,680	0.3
W. coast of U. S.	593,773	11,211	22,837	627,821	26,132	18,280	2,656	33,438	708,327	75,742	100		1,920	20,183	3,697		3,453		43,921	148,966	18,130		875,423	58.3
Hawaii			655	655					655														655	
W. coast N. Am.[1]	9,759			9,759				73	9,832	3,545			1,053						4,143	9,041	73		18,937	1.3
Totals, N. Amer.	629,047	11,211	24,091	664,349	26,132	23,376	2,656	36,392	752,254	115,036	1,712		8,089	20,915	7,472		7,050		152,039	312,312	18,493		1,083,624	72.2
Asia:																								
China	1,062			1,062					1,062														1,062	0.1
Japan	1,845			1,845					1,845	900										900			2,745	0.2
Philippines	16,321		5,145	21,466					21,466														21,466	1.4
Far East[1]	12,242			12,242		3,986		59	16,287														16,287	1.1
Totals, Asia	31,470		5,145	36,575		3,986		59	40,620	900										900			41,520	2.7
Australasia:																								
Australia	5,590			5,590	1,585			81	7,256							8,107				8,107			15,363	1.2
New Zealand	1,454			1,454	242				1,696	21,740									2,033	23,773			25,469	1.6
Australasia[1]													5,490							5,490			5,490	
Totals, Australasia	7,044			7,044	1,827			81	8,952	21,740			5,490			8,107			2,033	37,370			46,322	3.1
Grand totals	833,878	47,994	42,083	923,955	27,959	28,100	2,656	43,479	1,026,149	166,858	3,057		19,281	24,225	8,638	10,868	7,050	845	214,491	455,313	20,493		1,501,865	100.0
Per cent of total cargo:																								
January, 1927	55.5	3.2	2.8	61.5	1.8	1.9	0.2	2.9	68.3	11.1	0.2		1.3	1.6	0.6	0.8	0.4		14.1	30.4	1.3		100.0	
January, 1926	49.8	4.1	8.6	62.5	3.3	0.5		1.6	67.9	15.8	3.0		0.2	3.5	0.1		0.8	0.3	7.6	31.3	0.1	0.4	100.0	
January, 1925	53.5	1.6	4.7	59.8			1.4	0.8	62.0	16.3		0.5	0.9	2.0			0.6	0.1	17.6	38.0			100.0	

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

United States Intercoastal Traffic by Commodities for January, 1927.

The following table shows the cargo carried through the Canal in the United States intercoastal trade, segregated by commodities and by direction, with the totals for January, 1926, and 1925. Cargo statistics are compiled from cargo declarations submitted by masters of vessels, and in these declarations small items are frequently grouped under the designation of "General Cargo." These statistics are accordingly not precise but they are indicative of the kind and quantity of the cargo in transit through the Canal. The figures represent tons of 2,240 pounds and are for the United States intercoastal trade only:

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Agricultural implements	1,596		1,596
Asphalt	50	38	88
Automobiles	1,731		1,731
Automobile accessories	498		498
Beans	133	7,093	7,226
Borax		350	350
Bones and bone meal	100		100
Bricks	513		513
Burlap		57	57
Calcium carbide	145		145
Canned goods:			
Fish	266	12,436	12,702
Fruit	216	23,589	23,805
Meat	42		42
Soup	1,066		1,066
Vegetables	496	5,859	6,355
Milk		2,205	2,205
Cement	1,424	240	1,664
Charcoal	281		281
Chemicals	1,900	25	1,925
China and fire clay	300		300
Coal	4,149		4,249
Cocoa	16		16
Coffee	125		125
Coke	200		200
Cold storage:			
Cheese	74		74
Lard	1,067		1,067
Tallow		211	211
Confectionery	71		71
Cork		100	100
Corn	92		92
Cotton	1,091	2,188	3,279
Drugs	184		184
Earthenware	216		216
Explosives	163		163
Fertilizer	31		31
Flour		6,182	6,182
Fruits, dried		9,971	9,971
Fuller's earth	893		893
Furniture	675		675
General	62,406	30,816	93,222
Glass	2,982	386	3,368
Guano	88		88
Hardwoods	1,039		1,039
Hay		950	950
Hemp		1,083	1,083
Horns and hoofs		135	135
Infusorial earth		134	134
Ink	50		50
Linoleum	151		151
Lumber	323	109,824	110,147
Manufactured goods:			
Iron and steel	92,103		92,103
Machinery	4,702	82	4,784
Railroad material	1,598	200	1,798
Textiles	1,492		1,492
Other	1,966		1,966
Marble	700		700
Matches	557		557
Metals:			
Copper		4,935	4,935
Iron	2,229		2,229
Scrap	77		77
Tin	10,416		10,416
Other	11		11
Musical instruments	20		20

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Nitrates	.....	36	36
Nuts	.....	200	200
Oils:			
Cottonseed	16	.....	16
Crude	.....	96,102	96,102
Gas and fuel oil	.....	165,972	165,972
Gasoline, benzine, and naphtha	.....	131,130	131,130
Lubricating and greases	2,345	9,950	12,295
Vegetable	257	.....	257
Wood	26	.....	26
Other	25	.....	25
Ore, magnesite	.....	1,000	1,000
Paint	30	.....	30
Paper	9,460	819	10,279
Phosphates	71	.....	71
Pice	164	121	285
Rope	45	.....	45
Rosin	597	.....	597
Rubber, manufactured	831	.....	831
Salt	79	.....	79
Sand	500	.....	500
Seeds, hemp	.....	100	100
Shells, oyster	2,161	.....	2,161
Skins and hides	350	1,222	1,572
Slate	200	.....	200
Soap	322	.....	322
Soda	304	.....	304
Soda, ash	1,041	.....	1,041
Soda, bicarbonate	84	.....	84
Soda, caustic	56	.....	56
Sugar	2,151	500	2,651
Sulphur	6,651	.....	6,651
Syrup	265	.....	265
Tea	10	.....	10
Tobacco	3,311	.....	3,311
Turpentine	218	.....	218
Waste	30	200	230
Wax	120	.....	120
Wine	.....	12	12
Wool	154	1,368	1,522
Totals, January, 1927	234,688	627,821	862,509
Totals, January, 1926	199,295	654,855	854,150
Totals, January, 1925	174,669	458,635	633,304

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective February 15, 1927:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.23
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.44
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.17
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.15
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.12
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.18
Waste, cotton, white	Lb.	.20

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.05 and $2.25 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $10.00 per ton of 2,240 pounds at Cristobal, and $13.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $10.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $11.00 per ton at Cristobal, $14.00 at Balboa. If less than 50 tons is taken from lighters, prices are $13.00 per ton at Cristobal and $16.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $11.00 Cristobal and $14.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity.. .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage in such cases, as provided in Paragraph 4, Item 3, of the tariff, and for handling lines in accordance with Item 4, of the tariff.

Ships' Chandlery Supplies.

Panama Canal storehouses stock a complete line of ships' chandlery supplies available for sale to shipping at cost prices plus 25 per cent surcharge, which surcharge includes freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.—Continued from page 371.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.				* DEPARTURES.		
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
February 11	[illegible]	Welcome S. S. Co	[illegible]	February 11	[illegible]	United Fruit Co	[illegible]
February 11	[illegible]	G. I. Bryan	[illegible]	February 11	[illegible]	G. I. Bryan	[illegible]
February 12	[illegible]	Standard Fruit S. S. Co	[illegible]	February 12	[illegible]	[illegible]	[illegible]
February 12	[illegible]	U. S. Navy	[illegible]	February 12	[illegible]	[illegible] S. S. Co	[illegible]
February 12	[illegible]	[illegible] Co	[illegible]	February 12	[illegible]	[illegible] S. S. Co	[illegible]
February 12	[illegible]	[illegible] W. I. Mail	[illegible]	February 12	[illegible]	[illegible]	[illegible]
February 12	[illegible]	[illegible]	[illegible]	February 12	[illegible]	[illegible] S. S. Co	[illegible]
				February 12	San Blas	United Fruit Co	New York via Havana.

** Schooner.		** Destroyer.		PORT OF BALBOA.			
February 6	Bolivio Maru	[illegible]	[illegible]	February 7	Bolivio Maru	Nippon Yusen Kaisha	Valparaiso, Chile.
February 6	La Placentia	[illegible]	[illegible]	February 8	La Placentia	Union Oil Co. of Calif.	Los Angeles, Calif.
February 7	[illegible]	Peruvian Navy	[illegible]				
February 7	[illegible]	Peruvian Navy	[illegible]				

* Other than ships passing through the Canal.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., February 23, 1927. No. 29.

Canal Traffic During First Fifteen Days of February.

During the first 15 days of February, 232 commercial vessels and 14 small nonseagoing launches transited the Canal. Tolls on the commercial vessels aggregated $1,046,008.75, and on the launches $56.40, or a total tolls collection of $1,046,065.15.

The daily average of transits of commercial vessels was 15.46, and the daily average tolls collection $69,733.91. The average amount of tolls paid by each of the commercial transits was $4,508.66, as compared with $4,328.42, for the first 15 days of January.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 7½ months of the fiscal year ending June 30, 1927, with the daily averages of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
July	456	$1,980,719.67	14.71	$63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
January, 1927	443	1,984,760.71	14.29	64,024.54
February (first 15 days)	232	1,046,008.75	15.46	69,733.91
Totals	3,372	14,960,409.22	14.66	65,045.25

CANAL WORK IN JANUARY, 1927.

The following is the report of the Governor to the Secretary of War, of Canal work in the month of January, 1927:

BALBOA HEIGHTS, C. Z., *February 17, 1927.*

The Honorable, the Secretary of War,
Washington, D. C.

SIR: I have the honor to submit the following report covering operations of The Panama Canal during the month of January, 1927:

NUMBER OF TRANSITS.

During the month 443 commercial vessels transited the Canal. In addition to these, 11 nonseagoing launches, measuring under 20 tons, and 46 vessels belonging to or chartered by the United States Government, transited the Canal. In addition to the above there were 9 transits of vessels solely for repairs, on which no tolls were collected, making a total of 509 transits for the month, or a daily average of 16.42.

Tolls on the 443 commercial vessels amounted to $1,984,760.71, and on the launches to $78.45, making a total tolls collection for the month of $1,984,839.16, or a daily average on all traffic of $64,027.07. The average amount of tolls paid by each of the commercial transits was $4,480.27 as compared with $4,358.16 for the month of December, 1926.

A feature of Canal traffic during the month was the transit of the British battle cruiser *Renown*, on January 25, carrying the Duke and Duchess of York.

The total number of craft of all kind transiting the Canal during the month of January, as compared with the same months in 1926 and 1925, is shown in the following tabulation:

	January, 1927.	January, 1926.	January, 1925.
Commercial vessels	443	479	401
Noncommercial vessels, Army and Navy	46	38	48
Launches (under 20 tons measurement)	11	13	10
For repairs	9	2	.....
Totals	509	532	459

In addition to the vessels listed above, Panama Canal equipment consisting of dredges, tugs, barges, etc., was passed through the locks as follows:

	North-bound.	South-bound.	Total.
Gatun	18	15	33
Pedro Miguel	26	34	60
Miraflores	27	33	60
Totals	71	82	153

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tolls, and tons of cargo carried by vessels transiting the Canal each month from the beginning of the fiscal year 1927 to the end of January, 1927, as compared with the same months in the previous year:

Month.	Number of vessels.		Panama Canal net tonnage.		Tons of cargo.		Tolls.	
	1925-6	1926-7	1925-6.	1926-7.	1925-6.	1926-7.	1925-6.	1926-7.
July	418	456	1,951,295	2,154,821	1,960,654	2,185,527	$1,800,239.84	$1,980,719.67
August	372	464	1,779,627	2,230,905	1,912,217	2,321,697	1,657,893.90	2,055,041.91
September	388	446	1,831,039	2,186,804	1,891,988	2,239,547	1,692,723.11	2,019,626.42
October	410	445	1,955,485	2,124,519	2,009,171	2,374,711	1,826,314.64	1,989,213.93
November	424	423	2,028,034	2,032,488	2,023,398	2,272,449	1,870,087.68	1,889,001.11
December	462	453	2,257,409	2,135,002	2,358,170	2,310,270	2,111,896.53	1,996,036.72
January	479	443	2,300,187	2,121,631	2,346,643	2,241,765	2,103,368.29	1,984,760.71
Totals	2,953	3,140	14,103,076	14,986,170	14,502,241	15,945,966	13,062,523.99	13,914,400.47

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States Government, including merchant vessels chartered by the Government, do not pay tolls. Shipping Board vessels in commercial service pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

The following is a summary of the commercial traffic for January, 1927, as compared with the corresponding month in 1926 and 1925, and the monthly average for the calendar year 1926:

	January, 1927.	January, 1926.	January, 1925.	Average per month for calendar year 1926.
Number of vessels	443	479	401	451
United States net tonnage	1,671,788	1,797,242	1,561,007	1,687,875
Panama Canal net tonnage	2,121,631	2,300,187	1,960,015	2,153,020
Registered gross tonnage	2,707,908	2,938,930	2,502,547	2,753,689
Registered net tonnage	1,666,647	1,804,158	1,561,138	1,694,149
Tolls	$1,984,760.71	$2,103,368.29	$1,832,024.35	$1,991,795.00
Tons of cargo carried	2,241,765	2,346,643	1,907,469	2,298,896

The average daily number of transits, tonnage, tolls, and cargo, are shown in the following statement, in comparative form, commercial vessels only:

	Average per day.			Average per day for calendar year 1926.
	January 1927.	January, 1926.	January, 1925.	
Number of transits	14.29	15.45	12.93	14.84
Panama Canal net tonnage	68,439	74,206	63,226	70,784
Tolls	$64,024.54	$67,850.59	$59,097.56	$65,483.67
Tons of cargo carried	72,315	75,698	61,531	75,573

AVERAGE TONNAGE, TOLLS, AND TONS OF CARGO PER VESSEL.

The average tonnage, tolls, and cargo per vessel transiting the Canal during the month of January, 1927, as compared with January, 1926, and January, 1925, are shown in the following tabulation:

	Average per vessel.		
	January, 1927.	January, 1926.	January, 1925.
United States equivalent net tonnage	3,773	3,752	3,892
Panama Canal net tonnage	4,789	4,802	4,887
Registered gross tonnage	6,112	6,135	6,240
Registered net tonnage	3,762	3,766	3,960
Tolls	$4,480.27	$4,391.16	$4,568.63
Tons of cargo (including vessels in ballast)	5,060	4,899	4,756
Tons of cargo (laden vessels only)	6,158	6,079	5,874

TOLLS.

At present, tolls are collected at rates of $1.20 per ton for laden vessels and $0.72 per ton for vessels in ballast, computed on the basis of The Panama Canal rules of measurement, with the provision that tolls shall not exceed $1.25 per ton nor be less than $0.75 per ton as determined in accordance with the United States rules for the measurement of net registered tonnage. In order to ascertain the proper tolls charges, it is necessary, therefore, that the net tonnage of vessels transiting the Canal be determined both in accordance with the Panama Canal and the United States rules of measurement.

Taking the traffic through the Canal for the month of January, 1927, the following tabulation shows a comparison of tolls actually collected under the present method of assessing tolls and the tolls that would have been collected on the basis of The Panama Canal rules of measurement at the proposed rates of $1 laden and $0.60 ballast, with transits for the month segregated by flag:

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
Belgian	$3,582.72	$2,985.60		$597.12
British	545,526.70	550,035.20	$4,508.50	
Chilean	8,738.75	9,377.00	638.25	
Colombian	3,496.10	3,338.00		158.10
Danzig	23,771.75	21,225.00		2,546.75
Dutch	56,958.75	60,432.00	3,473.25	
Ecuadorian	477.90	394.60		83.30
French	40,495.59	40,438.20		57.39
German	52,642.25	56,538.80	3,896.55	
Italian	20,452.50	20,494.00	41.50	
Japanese	115,149.95	106,170.00		8,979.95
Norwegian	80,781.63	84,289.40	3,507.77	
Panamanian	7,794.64	8,866.00	1,071.36	
Peruvian	8,694.45	7,694.00		1,000.45
Spanish	6,773.75	6,556.00		217.75
Swedish	25,964.62	28,783.60	2,818.98	
United States	977,039.59	970,842.80		6,196.79
Yugo-Slav	6,419.07	5,845.60		573.47
Totals	1,984,760.71	1,984,305.80	19,956.16	20,411.07

The decrease on vessels of United States registry would have been made up, with respect to channels of trade in which the vessels were engaged, as follows:

United States intercoastal trade	$5,252.92
United States foreign trade	487.95
United States-Canal Zone trade	455.92
Total	6,196.79

RATIO OF CARGO TONNAGE TO NET TONNAGE.

The ratio of cargo tonnage to net tonnage, Panama Canal measurement, of vessels transiting the Panama Canal in January, 1927, is shown in the following tabulation segregated by nationality of vessels and direction of transit. Laden vessels only are included:

Nationality.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
British	.88	1.23	1.03
Chilean	.35	1.11	.73
Colombian	1.32	.39	.85
Danzig	.....	1.53	1.53
Dutch	.59	1.44	1.04
Ecuadorian	.....	1.40	1.40
French	.48	1.53	1.01
German	1.19	1.63	1.35
Italian	.28	.68	.38
Japanese	1.25	1.36	1.30
Norwegian	1.06	1.63	1.46
Panaman	1.00	1.08	1.05
Peruvian	89	1.40	1.16
Spanish	07	.31	.20
Swedish	1.01	3.25	2.33
United States	1.05	1.68	1.45
Yugo-Slav	.....	1.80	1.80
Average, January, 1927	.94	1.56	1.29
Average, January, 1926	.87	1.48	1.28
Average, January, 1925	.85	1.52	1.21

CLASSIFICATION OF VESSELS.

A further classification of commercial vessels passing through the Canal during the month of January, 1927, is as follows:

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Tank ships:						
Laden	2	8,125	$17,960.00	49	279,452	$281,612.50
Ballast	51	296,773	203,962.55	1	9,593	6,906.96
General cargo ships:						
Laden	106	733,859	699,933.66	151	681,580	672,052.35
Ballast	21	75,793	54,741.18	1	5,982	4,307.04
Noncargo-carrying vessels:						
Passenger	2	29,052	23,756.25	.....	.....	.....
Naval	1	.....	18,500.00	.....	.....	.....
Tugs	.....	.....	.....	2	146	109.50
Yachts	1	432	311.04	1	844	607.68
Totals	238	1,144,034	1,019,164.68	205	977,597	965,596.03
Method of propulsion:						
Steam	200	991,950	893,733.29	178	889,881	879,076.38
Motor	32	151,747	125,104.65	23	87,600	86,419.65
Motor (schooners)	5	279	283.24	4	116	100.00
Nonfuel-burning	1	58	43.50	.....	.....	.....
Totals	238	1,144,034	1,019,164.68	205	977,597	965,596.03

Of the 378 steam-driven vessels, 257 were oil-burning, 115 coal-burning, and 6 burned either coal or oil.

NONCOMMERCIAL TRAFFIC.

The following statement shows the tonnage and amount of cargo carried by vessels transiting the Panama Canal free of tolls during the month of January, 1927. If tolls had been assessed against these vessels at commercial rates, the amount collected would have been approximately as indicated:

Class and nationality.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of transits.	Tonnage.	Tolls.	No. of transits.	Tonnage.	Tolls.
U. S. Naval vessels:						
Cargo ships	.....	.....	.....	1	[2] 4,355	$5,226.00
Cruisers	3	[1] 23,900	$11,950.00	.....	.....	.....
Destroyers	3	[1] 3,600	1,800.00	.....	.....	.....
Mine sweepers	3	[1] 2,850	1,425.00	2	1,900	950.00
Submarines	12	[1] 13,596	6,798.00	10	[1] 7,516	3,758.00
Tankers	3	[2] 17,842	12,846.24	2	[2] 14,839	17,806.80
Transports	1	[2] 3,998	4,885.00	.....	.....	.....
U. S. Army vessels:						
Launches	4	[2] 60	42.20	.....	.....	.....
Transports	1	[2] 3,453	4,143.60	1	[2] 5,212	6,254.40
Totals	30	.....	43,890.04	16	.....	33,955.20

[1] Indicates displacement tonnage. [2] Indicates Panama Canal net tonnage. [3] Indicates United States net tonnage.

The foregoing noncommercial vessels transiting the Canal during the month of January, 1927, carried cargo as follows:

	Tons.
Atlantic to Pacific	2,771
Pacific to Atlantic	23,831
Totals	26,602

The following statement shows the number of launches transiting the Canal during the month of January, 1927. Theses launches, although paying tolls, are excluded from statements concerning commercial traffic:

	Number.	Tonnage.	Tolls.
Atlantic to Pacific	9	76	$66.45
Pacific to Atlantic	2	16	12.00
Totals	11	92	78.45

STATEMENT OF TERMINAL OPERATIONS.

Details of the business transacted at the Atlantic and Pacific terminals of the Panama Canal during the month of January, 1927, are shown in the following tabulation:

		Cristobal.	Balboa.	Total.
Local cargo arriving	tons	25,074	76,421	101,495
Local cargo shipped	tons	34,624	94	34,718
Transit cargo arriving	tons	2,207,757	2,220,330	4,428,087
Transit cargo clearing	tons	2,193,666	2,213,167	4,406,833
Cargo received for transshipment	tons	118,941	44	118,985
Cargo transshipped	tons	6,186	41	6,227
Vessels supplied with bunker coal:				
Commercial, other than Panama Railroad		74	9	83
Panama Railroad Steamship Company		1		1
Totals		75	9	84
Coal supplied to above vessels:				
Commercial, other than Panama Railroad	tons	26,506	150	26,656
Panama Railroad Steamship Company	tons	2		2
Totals	tons	26,508	150	26,658
Coal issued, miscellaneous:				
Panama Canal departments	tons	384	65	449
U. S. Army, excepting vessels	tons	172	11	183
Individuals and companies	tons	92		92
Panama Railroad	tons	20		20
Transferred to Navy	tons	732		732
Total issues and sales	tons	27,908	226	28,134
Coal on hand, February 1, 1927	tons	51,227		51,227
Coal on hand, January 1, 1927	tons	31,173		31,173
Coal received during month	tons	47,962		47,962
Coal received from Navy	tons		226	226
Fuel oil issued from Panama Canal tanks:				
Panama Canal departments	bbls	8,602.75	18,360.18	26,962.93
Panama Railroad Company	bbls	555.53		555.53
Army and Navy	bbls	3.71	106.66	110.37
Individuals and companies	bbls		341.74	341.74
Total issues and sales	bbls	9,161.99	18,808.58	27,970.57
Fuel oil received during January, 1927	bbls		69,785.16	69,785.16
Fuel oil on hand, February 1, 1927	bbls	13,654.01	56,556.83	70,210.84
Diesel oil sold during January, 1927	bbls	147.12	47.92	195.04
Diesel oil on hand, February 1, 1927	bbls	29,211.04	363.84	29,574.88
Miscellaneous transfers	bbls		726.42	726.42
Gasoline and kerosene pumped for The Panama Canal	bbls	1,698.03	3,056.62	4,754.65
Gasoline pumped for individuals and companies	bbls	406.60	3,249.95	3,656.55
Oil pumped for individuals and companies	bbls	693,223.12	655,856.64	1,349,079.76
Total fuel oil, gasoline, and kerosene handled	bbls	704,636.86	751,531.29	1,456,168.15
Admeasurement of vessels:				
U. S. equivalent certificates issued		22	4	26
Measured for Panama Canal net tonnage		9	2	11
Remeasured for Panama Canal net tonnage		19	2	21
Panama Canal net tonnage corrected		6	1	7
U. S. equivalent tonnage corrected		11	3	14

	Cristobal.	Balboa.	Total.
Services of harbor equipment:			
Tugs, total operating hours	600	437¾	1,037¾
Launches, total operating hours	1,534½	1,595½	3,130
Scows, total operating days		21	21
Revenue from tug service, pilotage, etc.:			
Tug revenue	$16,875.00	$14,611.25	$31,486.25
Pilotage	19,217.00	8,480.00	27,697.00
Seamen	11,060.00	9,484.00	20,544.00
Launch service	2,380.00	3,148.00	5,528.50
Wharfage	14,278.50	5,072.77	19,351.27
Ships measured	320.00	65.00	385.00
Miscellaneous cash collections	54.10	124.00	178.10
Ships repaired at Panama Canal shops:			
Commercial	47	18	65
U. S. Army and Navy	5	5	10
Panama Canal equipment	30	17	47
Vessels dry docked:			
Commercial	6	4	10
Panama Canal equipment	2	5	7
Clearances issued	257	252	509
Bills of health issued	259	253	512

ALL VESSELS ENTERING AND CLEARING PORT.

	Port of Cristobal.			Port of Balboa.		
	No. of ships.	Registered gross tonnage.	Registered net tonnage.	No. of ships.	Registered gross tonnage.	Registered net tonnage.
Ships entering.						
All vessels, including those transiting Canal	527	3,179,174	1,989,065	482	2,929,013	1,842,187
Vessels entering port but not transiting Canal	69	347,214	223,739	14	64,968	47,600
Vessels transiting Canal and handling passengers and cargo at terminal ports	95	557,406	339,802	59	356,812	216,479
Ships clearing.						
All vessels, including those transiting Canal	522	3,145,114	1,972,487	475	2,888,592	1,809,592
Vessels clearing port but not transiting Canal	69	353,481	227,056	13	54,794	39,064
Vessels transiting Canal and handling passengers and cargo at terminal ports	95	559,593	340,868	58	356,654	216,407

MOVEMENT OF PASSENGERS.

	At Cristobal.			At Balboa.		
	First-class.	Others.	Total.	First-class.	Others.	Total.
Disembarking:						
From Atlantic ports	1,398	551	1,949	28	35	63
From Pacific ports	210	139	349	231	232	463
Total disembarking	1,608	690	2,298	259	267	526
Embarking:						
For Atlantic ports	1,050	824	1,874	17	24	41
For Pacific ports	228	128	356	74	57	131
Total embarking	1,278	952	2,230	91	81	172
Remaining on board:						
From Atlantic to Pacific ports	1,875	2,594	4,469	1,943	1,961	3,904
From Pacific to Atlantic ports	547	845	1,392	708	978	1,686
From Atlantic to Atlantic ports	1,258	121	1,379			
From Pacific to Pacific ports				34	479	513
Total remaining on board	3,680	3,560	7,240	2,685	3,418	6,103
Total arriving	5,288	4,250	9,538	2,944	3,685	6,629
Total departing	4,958	4,512	9,470	2,776	3,499	6,275

PASSENGER-CARRYING VESSELS THROUGH CANAL.

	Total commercial vessels.	Passenger-carrying vessels.	Per cent of total transits.
Atlantic to Pacific	238	50	21.0
Pacific to Atlantic	205	31	15.1
Totals	443	81	18.3

In addition to the aforesaid, 76 passenger-carrying vessels called at the port of Cristobal, and 3 at Balboa, without transiting the Canal, making a total of 150 passenger-carrying vessels calling at Canal ports during the month.

COMMISSARY SALES TO VESSELS.

Following is a statement of commissary sales to vessels during the month of January, 1927:

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Cristobal to:						
Commercial vessels	$2,205.69	$13,353.35	$30,800.17	$190.51	$5,382.22	$51,931.94
Government vessels	337.07	12,399.15	32,103.72	80.93	4,963.06	49,883.93
Panama Railroad vessels	.....	.....	1,098.56	548.21	306.00	1,952.77
Total sales, January, 1927	2,542.76	25,752.50	64,002.45	819.65	10,651.28	103,768.64
Total sales, January, 1926	2,075.89	10,662.67	31,254.42	807.03	4,397.53	49,197.53
Total sales, January, 1925	1,832.70	10,945.85	31,040.18	637.66	3,890.59	48,346.98
Sales at Balboa to:						
Commercial vessels	$1,312.86	$7,050.20	$14,341.82	$431.99	$3,077.13	$26,214.00
Government vessels	246.85	3,186.59	15,806.60	35.67	704.45	19,980.16
Total sales, January, 1927	1,559.71	10,236.79	30,148.42	467.66	3,781.58	46,194.16
Total sales, January, 1926	1,184.22	10,233.35	24,035.26	198.58	1,827.50	37,478.91
Total sales, January, 1925	852.38	7,759.17	22,543.02	353.60	1,299.18	32,807.35

The aggregate sales to Government vessels during the month was $69,864.09; to Panama Railroad vessels, $1,952.77; and to other commercial vessels, $78,145.94; making the total sales to all vessels, $149,962.80.

LOCK OPERATIONS.

The following tabulation shows the number of lockages, and the number of vessels passing through the locks during the month of January, 1927, as compared with the corresponding month in 1926 and 1925, together with the consumption of water for lockages, maintenance, etc., in January, 1927, as compared with the preceding month and the corresponding month in 1926:

Locks.	Number of lockages.						Comparative grand totals.		
	Commercial.			Noncommercial.					
	North.	South.	Total.	North.	South.	Total.	Jan., 1927.	Jan., 1926.	Jan., 1925.
Gatun	200	231	431	7	13	20	451	481	405
Pedro Miguel	199	236	435	10	26	36	471	460	420
Miraflores	199	235	434	11	23	34	468	475	395
	Number of vessels put through locks.								
Gatun	221	249	470	38	46	84	554	573	494
Pedro Miguel	210	246	456	61	63	124	580	551	510
Miraflores	211	246	457	51	62	113	570	554	519

CLASSIFICATION OF NONCOMMERCIAL VESSELS.

	Gatun.	Pedro Miguel.	Miraflores.
Army and Navy vessels	51	64	53
Panama Canal equipment	33	60	60

The total consumption of water for lockages, maintenance, and loss in leakage was as follows:

	Gatun.	Pedro Miguel.	Miraflores.
	Cubic feet.	*Cubic feet.*	*Cubic feet.*
Lockages	1,796,060,000	1,468,140,000	1,484,040,000
Maintenance	33,250,000		3,320,000
Leakage	40,000,000	10,000,000	20,000,000
Totals, January, 1927	1,869,310,000	1,478,140,000	1,507,360,000
Totals, December, 1926	1,858,840,000	1,607,760,000	1,484,570,000
Totals, January, 1926	1,462,470,000	1,263,810,000	1,230,360,000

METEOROLOGY AND HYDROGRAPHY.

In the following tabulation the meteorological and hydrographic conditions over the Canal Zone and vicinity during the month of January are shown in comparative forms:

Rainfall for month.	January.		January—Years of record.		
	1927.	1926.	Maximum.	Minimum.	Mean.
	Inches.	*Inches.*	*Inches.*	*Inches.*	*Inches.*
Pacific section	.31	[1] T	3.13	T	1.01
Central section	1.42	.13	5.01	.13	1.51
Atlantic section	6.22	.73	12.01	.62	4.14
Maximum recorded on any one day	6.62	.40	[1] 6.62		
Gatun Lake watershed	3.20	.31	5.86	.31	2.03
Chagres River watershed above Alhajuela	4.16	.38	12.10	.38	3.01
Maximum recorded for month at any one point	29.97	1.06	29.97		
Minimum recorded for month at any one point	.18	0		0	
Hydrography.	*C. f. s.*	*C. f. s.*	*C. f. s.*	*C. f. s.*	*C. f. s.*
Discharge of Chagres River at Alhajuela	1,922	881	5,050	682	1,974
Maximum momentary discharge for the month	11,500	1,288	[2] 50,200		
Gatun Lake watershed, total yield	3,974	1,473	9,298	1,371	2,989
Gatun Lake watershed, net yield	2,957	628	8,641	628	2,284
Draft on Gatun Lake for lockages and power	2,589	2,307	2,665	[3] 987	[3] 2,027

[1] 12.25 represents the maximum 24-hour rainfall recorded on the Canal Zone and vicinity since American occupation recorded at Gatun on October 23 and 24, 1923. NOTE.—Extreme outlying stations in the Republic of Panama not included in this report. [2] January 29, 1909. [3] Does not include January, 1914.

SEISMOLOGY.

Seismic disturbances were recorded on the 20th, 21st, 24th, and 28th. The disturbance of the 21st was generally felt by local residents. No damage was reported.

ELECTRICAL DIVISION.

In addition to the usual operating and maintenance work performed by this division, electrical installation and repair work was made on 29 vessels during the month. There were 266 work orders issued during January, as compared with 315 work orders issued during the month of December, 1926.

MECHANICAL DIVISION.

During the month miscellaneous repairs were made on 82 vessels at Cristobal and 40 at Balboa.

Extensive overhaul and reconstruction on the steamship *Salvador*, and the annual overhaul on the U. S. submarine *O-6* were completed during the month.

MUNICIPAL DIVISION.

The usual maintenance work on roads, streets and walks, and to the water and sewer systems was performed during the month.

The amount of water pumped during the month totaled 681,415,750 gallons.

DREDGING DIVISION.

West Culebra slide has shown a uniform movement of 0.2 feet perpendicular to the Canal axis during the month, between stations 1781 and 1785 W. No material was removed from this slide during the month.

East Culebra slide has shown but slight movement and only at the water front between stations 1776 and 1780 E. as a consequence of dredge operations. The dredges removed 222,100 cubic yards of material from this slide during the month, making a total of 1,193,850 cubic yards since the movement of October 6, 1926.

There were no other slide movements and there was no interference with Canal traffic during the month.

The total excavation during the month was 540,390 cubic yards, as follows:

Cubic yards.	Classified as—		Character of work.	Station.	Equipment.
	Earth.	Rock.			
156,000	156,000	.....	Maintenance	Atlantic entrance	*No. 83.*
142,300	28,450	113,850	Maintenance	Gaillard Cut, East Culebra slide	*Gamboa.*
79,800	15,950	63,850	Maintenance	Gaillard Cut, East Culebra slide	*Paraiso.*
54,300	.....	54,300	Maintenance	Pacfic entrance, Project No. 1	*Cascadas.*
36,900	18,250	18,650	Maintenance	Pacific entrance, maintenance	*Cascadas.*
70,100	70,100	.....	Auxiliary	Chagres River (gravel service)	*No. 86.*
990	990	.....	Auxiliary	Sand from Chame	*La Valley.*

OCCUPANTS OF QUARTERS.

The number of persons including men, women, and children, occupying Panama Canal and Panama Railroad quarters on January 31, 1927, totaled 20,607, of whom 7,162 were Americans, 192 Europeans, and 13,253 West Indians. The total number of persons in quarters on January 31, 1926, was 20,466.

WORKING FORCE.

The following tabulation shows the number of gold and silver employees as of January 19, 1927, together with a comparison of the working force for the preceding month, and for January, 1926:

	As of January 19, 1927.			Total employees.	
	Gold.	Silver	Total.	December, 1926.	January, 1926.
Operation and Maintenance:					
Office	35	36	71	74	69
Electrical	157	182	339	348	365
Municipal Engineering	79	623	702	646	770
Lock Operation	289	1,297	1,586	874	1,178
Dredging	180	948	1,128	1,116	931
Mechanical	350	781	1,131	1,242	1,101
Marine	193	571	764	849	762
Fortifications	11	104	115	214	175
Totals	1,294	4,542	5,836	5,363	5,351
Supply Department:					
Quartermaster	180	1,444	1,624	1,669	1,607
Subsistence	8	113	121	116	115
Commissary	194	1,003	1,197	1,228	1,134
Cattle Industry	7	567	574	470	338
Hotel Washington	8	98	106	102	103
Transportation	46	200	246	246	227
Totals	443	3,425	3,868	3,831	3,524
Accounting Department	199	8	207	204	202
Health Department	229	760	989	1,000	983
Executive Department	494	283	777	773	781
Totals	922	1,051	1,973	1,977	1,966
Panama Railroad:					
Superintendent	46	232	278	263	248
Transportation	65	125	190	180	184
Receiving and Forwarding Agent	84	1,279	1,363	1,739	1,204
Coaling stations	48	315	363	372	278
Totals	243	1,951	2,194	2,554	1,914
Grand totals, January, 1927	2,902	10,969	13,871		
Grand totals, December, 1926				13,725	
Grand totals, January, 1926					12,755

VITAL STATISTICS.

A total of 210 deaths occurred during the month of January, 1927, among the population of the Canal Zone and the cities of Panama and Colon, which is equivalent to an annual death rate of 19.70 per 1,000 population. The leading causes of death were: Pneumonia (broncho and lobar), 34; tuberculosis, (various organs), 24; diarrhea and enteritis, 18; nephritis (acute and chronic), 15; and cancer (various organs), 12. There were 11 deaths from organic diseases of the heart, 7 from bronchitis, 7 from apoplexy, and 1 death from diphtheria. There were 25 deaths among nonresidents of the Isthmus; these are not included in the above statistics.

There were 400 live births reported during the month, and 14 stillbirths. Including stillbirths, this is equivalent to an annual birth rate of 37.46 per 1,000 population. Deaths among children under 1 year of age numbered 52, giving an infant mortality rate of 130.00 per 1,000 live births.

A total of 81 malaria cases were reported from the Canal Zone and the cities of Panama and Colon during the month, of whom 16 were employees (7 white and 11 colored), 10 were members of employees' families (2 white and 8 colored), 19 were other civilian nonemployees, and 36 were Army and Navy personnel. Twenty-one of the 26 employees and members of their families either worked outside our sanitated areas or reported having been in such areas previous to becoming sick.

The total number of malaria cases reported during the month of January for the past 10 years is as follows:

	Cases reported.		Cases reported.
1918	139	1923	208
1919	267	1924	181
1920	90	1925	149
1921	96	1926	135
1922	112	1927	81

There were two deaths from malaria during the past month, one a child of a Canal Zone settler, and one a baby 20 days old, presumably infected in Panama City.

RECEIPTS AND SALES OF MATERIALS AND SUPPLIES.

The value of material ordered on United States requisitions and received on the Isthmus during the month totaled $281,642.23, of which $274,224.39 was for the Department of Operation and Maintenance, and $7,417.84 for other Panama Canal departments.

Cash sales on the Isthmus from stock, fuel oil, scrap, and obsolete and second-hand material amounted to $56,202.65.

FINANCIAL STATEMENT.

The following statement shows in a condensed form the aggregate revenues and expenditures for the month of December, 1926, as compared with December, 1925, together with figures for the first 6 months of the current fiscal year as compared with the same period in the fiscal year, 1926.

It is impossible to submit the figures for the month of January at the time of writing this report, since all the charges, etc., involved in the accounting have not been completed:

	Month.		Fiscal year.	
	December, 1926.	December, 1925.	This year.	Last year.
Tolls	$1,996,108.96	$2,111,995.11	$11,930,046.71	$10,958,753.86
Other receipts	299,219.39	278,494.02	1,684,076.32	1,625,342.08
Total transit revenues	2,295,328.35	2,390,489.13	13,614,123.03	12,584,095.94
Total transit expenses	1,060,874.06	963,755.95	5,990,465.09	5,318,281.28
Net transit expenses	1,234,454.29	1,426,733.18	7,623,657.94	7,265,814.66
Three per cent capital charge	608,158.97	611,792.22	3,656,513.74	3,672,524.39
Transit surplus	626,295.32	814,940.96	3,967,144.20	3,593,290.27
Business revenues	1,138,568.73	1,257,166.73	7,024,477.07	7,429,832.42
Business expenses	1,056,751.27	1,211,654.10	6,516,500.28	7,085,148.99
Net business revenues	81,817.46	45,512.63	507,976.79	344,683.43
Three per cent capital charge	57,396.14	53,690.83	367,997.22	348,107.98
Business surplus	24,421.32	8,178.20	139,979.57	3,424.55
Combined revenues	3,175,191.04	3,403,038.19	19,067,444.10	18,494,151.45
Combined expenses	1,858,919.29	1,930,792.38	10,935,809.37	10,883,653.36
Combined net revenues	1,316,271.75	1,472,245.81	8,131,634.73	7,610,498.09
Three per cent capital charge	665,555.11	665,483.05	4,024,510.96	4,020,632.37
Combined surplus	650,716.64	806,762.76	4,107,023.77	3,589,865.72

Respectfully,

M. L. WALKER,

Governor.

Salt Water Draft of Vessels Transiting the Canal in 1926.

During the calendar year 1926, the average salt water draft of 2,843 commercial transits of the Panama Canal from the Atlantic to the Pacific was 20.8 feet. From the Pacific to the Atlantic, the average draft of 2,577 commercial transits was 24.6 feet. The average draft of the total commercial transits during the year, 5420, was 22.6 feet.

In the following table is shown the salt water draft of vessels through the Canal during 1926, separated in 1-foot intervals and segregated by direction of transit, with the averages for 1926, 1925, and 1924:

Draft.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Under 10 feet	73	56	129
10 to 11 feet	16	14	30
11 to 12 feet	7	10	17
12 to 13 feet	36	13	49
13 to 14 feet	52	29	81
14 to 15 feet	54	24	78
15 to 16 feet	73	36	109
16 to 17 feet	106	50	156
17 to 18 feet	153	36	189
18 to 19 feet	216	42	258
19 to 20 feet	272	41	313
20 to 21 feet	303	50	353
21 to 22 feet	243	72	315
22 to 23 feet	243	101	344
23 to 24 feet	244	184	428
24 to 25 feet	226	311	537
25 to 26 feet	166	289	455
26 to 27 feet	158	328	486
27 to 28 feet	111	315	426
28 to 29 feet	59	236	295
29 to 30 feet	15	151	166
30 to 31 feet	4	87	91
31 to 32 feet	8	32	40
32 to 33 feet	3	12	15
33 to 34 feet	2	35	37
34 to 35 feet	.....	23	23
Totals	2,843	2,577	5,420
Average, 1926	20.8	24.6	22.6
Average, 1925	20.8	24.5	22.5
Average, 1924	21.3	24.6	23.0

The vessels of the greatest draft through the Canal in 1926 were the *Amerikaland* and the *Chilore*, carrying cargoes of iron ore from Chile to the United States, drawing 34 feet 6 inches. From the Atlantic to the Pacific, the vessel of the greatest draft was the *Manchuria*, carrying general cargo in the United States intercoastal trade, with a draft of 33 feet 6 inches.

It will be noted that during the past calendar year the average draft of the vessels transiting the Canal from the Pacific to the Atlantic was 3.8 feet greater than the average draft of vessels passing through the Canal in the opposite direction. This is accounted for by the fact that the Pacific to Atlantic traffic is made up largely of vessels carrying capacity cargoes of mineral oils, iron ore, wheat, and other bulk products, while the Atlantic to Pacific products is composed largely of vessels carrying miscellaneous manufactured goods which either are essentially not so heavy or else do not permit the fullest use of the stowage space of the vessel. Also, by far the greater proportion of the transits of vessels in ballast are included in the Atlantic to Pacific traffic.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, February 19, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Rio Azul	12	18 50	13	6 35	13	13 47	13	14 50	British	Tex. Gulf Sulphur Co	363 2	53 2	25 4	Galveston, Tex	Fremantle, Aust.	Crude sulphur.	6,550	5,014	3,454
Glasgow Maru	12	16 15	13	7 20	13	14 58	13	16 05	Japanese	Kokusai Kisen Kaisha.	385 0	51 0	26 0	Galveston, Tex.	Moji, Japan	General	7,126	6,213	4,665
Lancaster	13	8 25	13	8 35	13	15 54	13	20 17	American	Argonaut S. S. Co.	435 0	57.6	26.6	Baltimore, Md	Tacoma, Wash.	Steel products.	8,731	7,935	5,841
Alnwick	10	17 20	13	10 25	13	18 41	13	19 40	British	Pacific Steam Nav. Co	303 4	43 0	19.0	New York, N. Y.	Guayaquil, Ecuador	General	2,668	2,878	1,714
Lorenzo	13	4 30	13	10 40	13	19 25	13	20 17	British	Norton, Lilly & Co.	470 5	62 0	25 6	Savannah, Ga.	Far East	General	8,557	8,571	6,087
Launch			13		13				American	U. S. Navy				Cristobal, C. Z.	Balboa, C. Z	Ballast			
Tamaroa	13	20 19	14	1 40	14	11 58	14	19 44	British	Shaw, Savill & Albion	530 4	63 0	30 2	London, England	Auckland, N. Z.	General	5,860	13,592	9,383
Mexican	13	15 15	14	3 00	14	12 19	14	13 30	American	Amer.-Hawaiian Line	472 3	57 2	22 3	Boston, Mass.	Portland, Oreg	General	4,973	9,258	6,874
Joseph Seep [1]	13	23 58	14	4 15	14	12 47	14	14 15	American	Standard Oil Co	429 3	59.2	19 0	Rio de Janeiro, Br	Los Angeles, Calif	Ballast		7,825	5,616
Axel J. Byles [1]	13	23 47	14	6 35	14	14 15	14	15 20	American	Tidewater Oil Co	468.3	62.1	18 0	New York, N. Y.	Los Angeles, Calif	Ballast		9,776	6,903
E. M. Clark [1]	13	21 58	14	7 15	14	14 48	14	16 00	American	Standard Oil Co	499 2	68.1	20.0	New York, N. Y.	Los Angeles, Calif	Ballast		11,063	8,033
Augvald	14	6 45	14	8 00	14	15 57	14	17 00	Norwegian.	DuPont & Co	400 0	52.6	15.0	Pensacola, Fla.	Caleta Colosa, Chile	Ballast		6,698	4,990
Erviken	14	8 00	14	9 15	14	16 50	14	17 50	Norwegian.	Canadian Transp. Co	420.0	54.0	19.6	Galveston, Tex.	Kobe, Japan	Cotton	5,884	6,979	5,131
Atrato [2]	1	22 00	14	9 10	14	16 48	15	14 04	Colombian.	Colombian Trans. Co	94 0	23.0	9.0	Cristobal, C. Z	Buenaventura, Col.	General	120	160	92
Guayaquil	13	10 08	14	12 01	14	20 19	14	21 33	American	Panama R. R. S. S. Line	251 0	43 6	22.3	New York, N. Y.	Guayaquil, Ecuador	General	2,785	2,874	1,944
Lass [1]	14	12 05	14	12 20	14	19 25	15	00 25	American	Anglo-Saxon Pet. Co	400.0	53 0	19 0	Schiedam, Holland	Los Angeles, Calif	Ballast		6,147	4,066
Castro	13	5 10	15	1 40	15	9 33	15	23 57	Chilean.	Tyrey & Co	175.4	30.0	13.7	Portland, Me.	Valparaiso, Chile	Ballast		668	290
Mahia	14	15 10	15	3 15	15	19 36	15	11 57	British	Shaw, Savil & Albion.	477 0	62.9	27.0	Antwerp, Belgium	Auckland, N. Z.	Basic slag	5,100	11,110	7,894
Cape Henlopen [4]	14	23 10	15	5 12	15	12 10	15	13 18	American	Calif. Petroleum Co.	435 0	56 2	18 0	Baltimore, Md.	Los Angeles, Calif	Ballast		7,425	5,202
City of Yokohama	15	7 38	15	7 55	15	15 05	17	00 57	British	Norton, Lilly & Co	465 1	58.0	24 0	New York, N. Y.	Sydney, Australia.	General	5,382	9,581	7,308
Hurunui.	15	9 25	15	9 45	15	17 27	15	20 55	British	N. Z. Shipping Co	470.0	62.5	26.0	New York, N. Y.	Adelaide, Australia	General	5,140	10,174	7,209
Chelsea.	15	7 10	15	10 05	15	18 18	15	21 45	British	Seas Shipping Co	396.1	52 8	24.11	Neuvitas, Cuba.	Hongkong, China.	Sugar	7,424	5,374	3,771
Perene	14	10 30	15	11 12	15	19 15	15	20 15	Peruvian.	Peruvian Line	284.1	39.1	18.4	New York, N. Y.	Callao, Peru.	General, coal.	2,056	2,168	1,529
Venezuela	14	14 25	15	12 00	15	20 00	16	17 20	American	Panama Mail S. S. Co.	380.0	48 8	23 2	New York, N. Y.	San Francisco, Cal	General	2,310	6,033	4,353
Halsey	15	12 35	15	12 50	15	20 55	15	22.05	American	C. D. Mallory & Co	435 0	56.0	22.0	Baltimore, Md.	Los Angeles, Calif.	Ballast		7,643	5,339
Bobolink			15		15	10 03			American	J. A. Walker				Cristobal, C. Z.	Gatun, C. Z.	(6)		1	1
Barge No. 3645			15		15	10 03			American	J. A. Walker				Cristobal, C. Z.	Gatun, C. Z.	Ballast		7	7
Ivia Ora	15	12 50	16	12 55	16	13 03	16	14 05	British	Shaw, Savill & Albion.	448 3	56.0	28 0	Liverpool, England	Dunedin, N. Z.	General	7,133	8,237	5,771
Corvus	15	19 35	16	2 25	16	13 55	16	15 15	American	Planet Line	410 5	54.0	23.11	Baltimore, Md.	Vancouver, B. C.	Steel, general.	7,252	6,604	4,655
F. H. Wisbett	15	19 40	16	4 00	16	14 43	16	15 50	American	Pan-Amer. Pet.& Tr.Co	468 0	62.6	18.0	New York, N. Y.	Los Angeles, Calif	Ballast		9,666	7,034
Samuel Q. Brown [1]	15	23 20	16	5 35	16	14 46	16	15 50	American	Tidewater Oil Co	424 4	58.2	19.0	New York, N. Y.	Los Angeles, Calif	Ballast		7,333	5,183
Casiana [1]	15	17 35	16	6 12	16	15 34	16	16 25	American	Edward L. Doheny	287.0	33.0	16.0	Miami, Fla.	Los Angeles, Calif	Ballast		1,197	477
Middlemoor.	16	2 50	16	6 45	16	16 15	16	22 40	British	Moore Line	340 0	47.0	20.6	Cardiff, England.	Puntarenas, C. R.	Patent fuel.	4,004	4,022	2,931
Walter A. Luckenbach.	16	00 57	16	8 12	16	16 20	16	17.30	American	Luckenbach Line	446.5	56.1	28.0	Boston, Mass.	Tacoma, Wash	General	8,009	8,785	6,567
Castle Town	16	6 35	16	8 55	16	16 36	16	21.08	American	Charles Nelson Co	321 7	50.0	18.0	Charleston, S. C.	Los Angeles, Calif	General	2,500	3,872	2,568
City of San Francisco [5]	6	21 45	16	11 34	16	18 50	16	21.52	Panama	Panama Mail S. S. Co.	296 0	46.0	21.4	Cristobal, C. Z.	San Francisco, Cal.	General	2,824	3,848	2,606

[1] Tanker. [2] Motor schooner. [3] Launch. [4] Yacht. [5] Motor ship. [6] Towing barge *No. 3645*.

Montgomeryshire	16	7.14	17	1.05	17	9.29	17	11.08	British	Royal Mail S. P. Co	412.3	56.0	19.0	Antwerp, Belgium	Vancouver, B. C.	General	2,648½	7,450	5,494
Garfield	16	12.20	17	2.25	17	11.29	17	15.40	American	N. O. & S. A. S. S. Line	299.4	45.0	17.4	New Orleans, La.	Talcahuano, Chile	General	1,489	3,256	2,010
Sylvafield [5] [2]	16	15.10	17	2.22	17	10.26	17	11.18	British	Hunting & Son	395.0	52.5	20.3	Newcastle, England	Los Angeles, Calif.	Ballast		5,900	3,993
Trontolite [5] [2]	16	16.05	17	4.00	17	14.19	17	15.40	British	Imperial Oil Co., Ltd.	420.8	57.0	24.0	Halifax, N. S.	Los Angeles, Calif.	Ballast		7,226	4,649
Austvard [5]	17	00.15	17	6.00	17	14.36	18	1.25	Norwegian	Lauritz Kloster	368.0	51.5	22.0	New York, N. Y.	Rockhampton, Aus.	General	5,970	5,423	4,010
Milwaukee [7]	16	13.30	17	6.46	17	16.12	17	17.00	American	U. S. Navy	550.0	55.0	18.3	Nicaragua	Balboa, C. Z.				
Evelyn	16	19.15	17	10.10	17	17.08	18	9.10	American	Grace Line	313.6	46.1	16.10	New York, N. Y.	Chanaral, Chile	Gen., machinery	2,260	3,615	2,560
Ciricito [3]			17		17	8.28			American	San Blas Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	Towing barges		8	8
Barge No. 29			17		17	8.28			American	San Blas Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		15	15
Barge No. 30			17		17	8.28			American	San Blas Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		12	12
Amsterdam	17	3.55	18	1.15	19	13.12	19	1.10	Dutch	Royal Neth. W. I. Mail	474.4	65.6	19.3	Hamburg, Germany	Valparaiso, Chile	General	5,669	11,638	7,660
Aconcagua	17	17.20	18	2.35	18	14.54	18	15.50	Chilean	Chilean Line	422.8	56.2	24.0	New York, N. Y.	Valparaiso, Chile	General	1,643	7,758	4,705
Antinous	17	5.15	18	4.25	18	14.57	18	16.05	French	Messageries Maritimes	413.7	56.0	25.6	Dunkirk, France	Noumea, N. Caled.	General	3,777	7,643	5,364
Ensley City	17	21.15	18	5.35	18	15.47	19	1.58	American	U. S. & A. Line	395.6	55.0	24.0	New York, N. Y.	Adelaide, Australia	General	6,022	7,330	5,239
Kansan	18	00.15	18	6.35	18	16.15	18	17.35	American	Amer.-Hawaiian Line	404.6	53.9	22.6	Boston, Mass.	Seattle, Wash.	General	4,893	6,799	4,921
Cellina [5]	16	18.10	18	10.15	18	16.50	18	18.00	Italian	Nav. Libera-Triestina	430.0	55.2	21.1	Trieste, Italy	Vancouver, B. C.	General	1,711	7,792	5,934
Blythmoor	17	8.27	18	11.45	18	18.42	18	20.04	British	W. Runciman & Co.	420.0	54.0	16.2	Hull, England	Caleta Colosa, Chile	Ballast		6,963	5,008
San Rosendo [1]	18	12.10	18	12.25	18	19.40	19	00.28	British	Anglo-Mexican Pet. Co	407.0	52.0	13.0	Avonmouth, Eng.	Los Angeles, Calif.	Ballast		6,237	4,353
Bridgepool	18	11.50	18	13.00	18	21.18	19	2.27	British	Sir. R. Ropner & Co.	390.0	55.5	13.0	Newcastle, England	San Francisco, Cal.	Ballast		5,889	4,274
Lisbon Maru	18	13.20	19	2.20	19	14.10	19	15.30	Japanese	Nippon Yusen Kaisha	445.0	58.0	25.3	New York, N. Y.	Yokohama, Japan	(8)	8,457	8,015	5,849
John D. Archbold [1]	18	16.05	19	3.45	19	14.57	19	16.00	American	Standard Oil Co.	554.9	75.3	19.0	New York, N. Y.	Los Angeles, Calif.	Ballast		14,785	10,313
James McGee [1]	19	1.15	19	5.00	19	15.55	19	17.15	American	Standard Oil Co.	499.1	68.2	18.0	New York, N. Y.	Talara, Peru	Ballast		10,964	7,909
Volumnia	18	22.15	19	5.40	19	16.36	19	18.00	British	Gow Harrison & Co.	423.6	56.0	16.0	Havre, France	Tocopilla, Chile	Ballast		6,229	4,524
Sujerseyco	19	00.52	19	7.10	19	17.31	19	18.40	American	Transmarine Lines	324.0	46.2	23.3	Mobile, Ala.	Tacoma, Wash.	Steel and pipe	4,483	3,984	2,628
Gymeric [1]	19	5.15	19	8.10	19	18.07	20	2.53	British	Andrew Weir & Co.	429.3	54.6	17.6	Ellesmere Port, Eng	Los Angeles, Calif.	Ballast		6,501	4,459
Trenton [7]	19	10.45	19	10.55	19	17.45	19	18.40	American	U. S. Navy	550.0	55.0		High seas	Balboa, C. Z.				
Palm Branch	19	11.20	19	13.20	19	22.20	19	23.48	British	F. and W. Ritson	360.0	45.0	19.0	Liverpool, England	Valparaiso, Chile	General	1,908	4,195	3,088

[1] Tanker. [7] Cruiser. [8] Cotton, steel sheets, tin plates, and tobacco.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Orita	13	6.20	13	9.16	13	16.20	13	23.25	British	Pacific Steam Nav. Co	485.0	58.0	29.0	Coronel, Chile	Liverpool, England	General	7,948	9,936	6,561
Rigi	13	10.00	13	11.17	13	19.08	14	7.05	Norwegian	Brit. & S. Pac. Trad. Co.	400.2	53.0	24.6	Tocopilla, Chile	Gibralter [9]	Nitrate	7,950	6,392	4,606
El Lobo [1]	13	11.00	13	12.04	13	19.48	13	21.00	British	C. T. Bowring	385.2	51.0	25.0	Lobitos, Peru	Boston, Mass.	Crude oil	5,991	4,851	3,311
Santos [5]	13	12.00	13	13.39	13	22.05	14	23.20	Swedish	Johnson Line	367.0	51.3	24.0	Vancouver, B. C.	Stockholm, Sweden	General	5,828	5,391	4,033
Ohioan	13	8.38	13	13.19	13	20.25	13	20.25	American	Amer.-Hawaiian Line	407.7	53.5	27.0	Portland, Oreg.	New York, N. Y.	General	7,076	7,112	4,896
Steelore	12	22.35	13	14.48	14	14.05	14	14.05	American	Ore S. S. Corp.	550.3	72.2	33.2	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	15,551	4,297
Port Melbourne	13	19.15	14	6.18	14	17.20	14	22.45	British	Cunard Line	501.35	63.35	27.6	Wellington, N. Z.	London, England	General	7,183	11,861	9,065
Tongking [5]	13	23.00	14	7.24	14	17.45	14	19.35	Danish	East Asiatic Co.	415.0	55.0	28.3	San Francisco, Cal	Copenhagen, Den.	(10)	9,375	7,013	5,317
Bochum	14	3.15	14	7.52	14	19.10	15	5.10	German	Kosmos Line	450.0	58.2	24.0	San Francisco, Cal.	Hamburg, Germany	General	7,658	7,812	5,495
Toluma	14	10.50	14	11.37	14	20.35	14	22.05	American	Grace Line	417.8	54.45	29.1	Iquique, Chile	New York, N. Y.	Nitrate	9,250	7,176	6,219
Santa Teresa	14	9.25	14	12.16	14	19.55	14	21.27	American	Grace Line	360.2	51.6	25.0	Talcahuano, Chile	New York, N. Y.	General	4,019	5,726	4,086
Cid	14	15.00	15	6.12	15	17.35	16	00.55	British	Pacific Steam Nav. Co	264.0	41.2	17.5	Guayaquil, Ecuador	New York, N. Y.	General	1,331	2,746	1,626
Huntingdon	14	11.30	15	7.05	15	18.10	15	18.10	British	Federal Steam Nav. Co.	533.0	64.0	26.6	Gisborne, N. Z.	London, England	Produce, meat	8,218	12,945	9,378
E. J. Sadler [1]	15	4.10	15	9.19	15	19.25	15	19.25	American	Standard Oil Co. of N.J.	499.2	68.1	30.5	Los Angeles, Calif.	New York, N. Y.	Crude oil	15,700	11,020	7,988
Fred W. Weller [1]	15	6.45	15	10.14	15	20.15	15	20.15	American	Standard Oil Co. of N.J.	500.0	68.0	29.0	Talara, Peru	New York, N. Y.	Crude oil	15,000	10,928	7,710

[1] Tanker. [9] For orders. [10] Wheat, lumber, and fruit.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC. continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Harry Luckenbach	15	10 03	15	10 46	15	22 19	15	22 10	American	Luckenbach Line	448 9	60 2	39 0	Portland, Oreg	Boston, Mass	General	6,000	9,262	6,853
Orinoco	15	2 25	15	10 56	15	21 05	15	21 05	American	Oriental Nav. Co	376 4	52 3	23 6	Portland Oreg	Philadelphia, Pa.	Lumber	5,522	5,455	3,902
Amerisaland [1]	15	9 30	15	13 59	16	13 20	16	13 20	Swedish	Ore S. S. Corp	561 3	72 0	33 4	Cruz Grande, Chile	Baltimore, Md	Iron ore	21,500	15,560	4,296
Motor [1]			15		15				American	U. S. Navy				Balboa, C. Z	Gatun Lake, C. Z.				
Lubrico [1]	15	11 15	16	6 12	16	16 34	16	16 34	American	Standard Oil Co. of Cal.	425 0	57 2	27 6	Los Angeles, Calif	Baltimore, Md	Gasoline in bulk	9,417	7,227	4,827
Holms Light	16	7 30	16	8 34	16	17 30	16	17 30	British	Strauss & Co	340 0	48 1		San Francisco, Cal.	Avonmouth, Eng	Barley in bags	6,256	4,906	3,629
Quail [2]	15	15 30	16	9 40	16	16 30			American	U. S. Navy	187 0	35 6	12 0	Corinto, Nicaragua	Cristobal, C. Z				
Manchuria	15	14 16	16	11 15	16	18 33	16	19 10	American	Panama-Pacific Line	600 0	65 3	31 5	San Francisco, Cal.	New York, N. Y	(14)	7,685	17,044	11,488
Rochester [3]	4	22 32	16	12 27	19	4 05	19	20 15	American	U. S. Navy	384 0	64 0	25 0	Corinto, Nicaragua	New York, N. Y.				
Mirlo [4]	16	14 00	17	6 00	17	14 50	17	18 35	Norwegian	Huasteca Petroleum Co	441 0	57 4	26 6	Los Angeles, Calif	Rio de Janerio, Br	Fuel oil	9,451		
Broad Arrow [4]	17	4 55	17	6 58	17	15 40	17	15 40	American	Standard Transp. Co.	467 6	62 7	27 8	Los Angeles, Calif	Baltimore, Md	Gasoline	11,633	9,700	6,842
Wiegand	16	24 00	17	8 24	17	17 05	18	00 16	German	Roland Line	393 2	54 3	26 3	Chanaral, Chile	New York, N. Y.	(15)	7,990	6,573	4,629
Ipswich	17	6 00	17	8 43	17	18 05	17	18 05	American	Amer. Ship. & Com. Co.	400 7	54 2	27 0	Seattle, Wash	Baltimore, Md	Lumber	6,694	6,616	4,614
Amersfoort	17	9 00	17	10 12	17	18 50	18	4 00	Dutch	Royal Neth. W. I. Mail	483 01	62 75	29 0	Valparaiso, Chile	Rotterdam, Holland	General	10,473	10,083	6,683
Canadolite [5] [6]	17	10 29	17	10 43	17	19 53	17	22 15	British	Imperial Oil Co., Ltd.	510 9	62 25	30 0	Los Angeles, Calif	Halifax, N. S.	Crude oil	15,302	11,556	7,658
Cities Service Petrol [1]	17	13 45	17	14 32	17	22 40	17	22 40	American	Cities Service Corp	468 3	62.7	29 10	Los Angeles, Calif.	Philadelphia, Pa	Crude oil	13,000	9,802	7,292
Rotorua	17	15 00	18	6 22	18	18 00	18	18 00	British	N. Z. Shipping Co	526 45	61 4	24 6	Auckland, N. Z.	London, England	General, frozen	6,411	12,846	9,439
Chr. Knudsen	17	15 20	18	7 11	18	19 00	18	19 00	Norwegian	Canadian Transp. Co.	381 2	54 7	24 6	Vancouver, B. C.	New London, Conn.	Lumber	7,550	6,083	4,561
Birchbank [5] [6]	17	21 00	18	7 54	18	20 05	18	20 35	British	Andrew Weir & Co	429 0	53 0	26 0	Iquique, Chile	Savannah, Ga	Nitrate of soda	8,607	7,137	5,054
Lagarto [5] [6]	3	00 20	18	8 25	18	21 10	18	21 10	British	Pacific Steam Nav. Co	385 1	52.2	26 3	Valparaiso, Chile	Liverpool, England	General	6,676	5,656	3,023
Tusitala [1]	17	23 00	18	9 39	19	16 05	19	16 05	American	Ship Tusitala, Inc	261 0	39 0	23 11	Seattle, Wash	Baltimore, Md	(23)	2,500	1,802	1,646
Hegira	18	7 25	18	9 49	18	21 55	18	21 55	American	Hegira S. S. Co.	449 0	56 9	26 6	Everett, Wash	Baltimore, Md	Lumber	7,059	8,342	6,108
Californian [5]	18	7 49	18	10 25	18	22 45	18	22 45	American	Amer.-Hawaiian Line	445 1	59 8	26 0	Seattle, Wash	Philadelphia, Pa.	General	8,893	8,567	6,020
Nevada	18	9 30	18	11 08	19	00 05	19	13 10	French	French Line	419 0	54 0	26 3	Vancouver, B. C.	Havre, France	General	7,920	7,500	5,196
Honduras	18	11 49	18	12 33	19	00 55	19	15 25	French	French Line	389 9	51 3	26 0	Talcahuano, Chile	Le Havre, France	General	8,333½	6,020	4,312
Corsa	18	5 30	18	13 10	19	2 05	19	6 25	American	Grace Line	498.0	55 20	25 8	Iquique, Chile	New York, N. Y.	Nitrate of soda	6,725		
Totem [5]	18		18	10 30	18				American	E. C. Whaler				Balboa, C. Z	Cristobal, C. Z			31	17
Marore	18	19 00	19	5 38	19	19 05	19	19 05	American	Ore S. S. Corp.	559 3	72 2	34 2	Cruz Grande, Chile	New York, N. Y	Iron ore	20,000	15,551	4,297
Albion [7]	17	11 30	19	7 15	22	12 15			British	Capt. Henrick Loeffler.	252 0	34 08	15 0	Puntarenas, C. R.	Cristobal, C. Z	Ballast		1,149	432
V 1 [8]	18	12 33	19	7 05	19	15 10			American	U. S. Navy	342 0	28 0		Pearl Island, R. P.	Cristobal, C. Z				
Argonne [9]	18	12 33	19	7 36	19	19 22			American	U. S. Navy	458 0	58 2	25 0	Pearl Island, R. P.	Cristobal, C. Z				
V 2 [8]	18	12 33	19	8 24	19	20 37			American	U. S. Navy	342 0	28 0	17 2	Pearl Island, R. P.	Cristobal, C. Z				
V 3 [8]	18	12 33	19	8 28	19	20 37			American	U. S. Navy	342 0	28.0		Pearl Island, R. P.	Cristobal, C. Z.				
Jukiku Maru	18	16 00	19	8 37	19	21 30	19	22 20	Japanese	Kokusai Kisen Kaisha	385 0	51 0	25 6	Portland, Oreg	Cobh, I. F. S.	Wheat	7,500	5,919	4,435
Vittorio Veneto	18	23 30	19	9 17	19	23 05	19	2 05	Italian	Martelli Quinto	381 0	49 33	23 6	Talcahuano, Chile	Genoa, Italy	Copper, nitrate	6,179	4,854	3,232
Redman	19	1 30	19	9 39	19	22 50	19	22 50	American	Munson S. S. Line	324.0	46 2	23 5	Portland, Oreg	New York, N. Y	(22)	4,400	3,967	2,530
Tokei Maru	19	4 00	19	10 16	20	00 27	20	1 15	Japanese	Yamashita K. Kaisha	400 0	53 0	27 0	Vancouver, B. C.	New York, N. Y.	Lumber, general	6,491		

[1] Tanker. [2] Sailor. [3] Minesweeper. [4] Cruiser. [5] Canned goods and beans. [6] Ore, cotton, and hides. [7] Motor ship. [8] Sailing ship. [9] Launch. [10] Yacht. [11] Submarine. [12] Submarine tender [13] Lumber and canned goods. [14] Magnesite and lumber.

Betty	19	6.30	19	10.49	20	2.10	20	3.05	Norwegian	Columbus Line	290.1	41.0	16.6	La Union, Sal'dor	Chester, Pa.	Fustic wood	1,991	2,652	1,776
Ethel M. Sterling [26]	18	16.35	19	14.09	20	2.20	22	7.25	American	Sterling S. S. Corp.	195.7	42.3	20.0	Seattle, Wash	Maracaibo, Venez'a	Lumber	2,000		
Chateau Thierry [24]	18	19.50	19	14.57	19	23.45	20	12.45	American	U. S. Army	448.0	58.0	25.0	San Francisco, Cal.	New York, N. Y.	Army supplies	81		

[24] Transport.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

*ARRIVALS.

Date.	Vessel.	Line.	From—
February 14	Cartago	United Fruit Co	New Orleans via wayports
February 15	Maria Cristina [24]	A. Tagaropulos	Colon, Rep. of Panama.
February 15	Willinnis [24]	A. Tagaropulos	Colon, Rep. of Panama.
February 15	Flor de Panama [24]	A. Tagaropulos	Colon, Rep. of Panama.
February 15	Caberia [24]	A. Tagaropoulos	Colon, Rep. of Panama.
February 15	Emperador [25]	A. Tagaropulos	Colon, Rep. of Panama.
February 15	Convert [24]	A. Ferrari	Colon, Rep. of Panama.
February 15	Victory [26]	Eisenmann and Eleta	Colon, Rep. of Panama.
February 16	Linda S. [24]	Surgeon Brothers	Colon, Rep. of Panama.
February 16	Cristobal	Panama R. R. S. S. Line	New York via Haiti.
February 16	Abangarez	United Fruit Co	New Orleans via wayports
February 17	Convert [24]	A. Ferrari	Colon, Rep. of Panama.
February 17	Sixaola	United Fruit Co	Santa Marta, Colombia.
February 17	Ceiba	Standard Fruit S. S. Co	New Orleans, La.
February 17	Carrillo	United Fruit Co	New York via Kingston.
February 17	Ulua	United Fruit Co	New York via wayports.
February 17	San Gil	United Fruit Co	Bocas del Toro, R. P.
February 18	Ceiba	Standard Fruit S. S. Co	San Blas coast, R. P.
February 19	San Jose	United Fruit Co	Puerto Colombia.
February 18	Impco [24]	Colon Import & Export Co	Colon, Rep. of Panama.
February 19	Carare	Elders & Fyffes, Ltd	Port Limon, Costa Rica.
February 19	Amassia	Hamburg-American Line	Hamburg via wayports.
February 19	M. F. Benefit [25]	F. Britton	Colon, Rep. of Panama.
February 19	Flor de Panama [24]	A. Tagaropulos	Colon, Rep. of Panama.

*DEPARTURES.

Date.	Vessel.	Line.	For—
February 13	Goff No. 247 [27]	U. S. Navy	Guantanamo, Cuba.
February 13	Cryssen	Royal Netherlands W. I. Mail	Amsterdam and wayports.
February 15	Cartago	United Fruit Co	NewOrleans and wayports.
February 15	Maria Cristina [24]	A. Tagaropulos	Colon, Rep. of Panama.
February 15	Willinnis [24]	A. Tagaropulos	Colon, Rep. of Panama.
February 15	Flor de Panama [24]	A. Tagaropulos	Colon, Rep. of Panama.
February 15	Caberia [24]	A. Tagaropulos	Colon, Rep. of Panama.
February 15	Emperador [25]	A. Tagaropulos	Colon, Rep. of Panama.
February 15	Convert [24]	A. Ferrari	Colon, Rep. of Panama.
February 15	Victory [26]	Eisenmann and Eleta	Colon, Rep. of Panama.
February 16	Linda S. [24]	Surgeon Brothers	Bluefields, Nicaragua.
February 17	Convert [24]	A. Ferrari	Colon, Rep. of Panama.
February 17	Sixaola	United Fruit Co	New York via Kingston.
February 17	Abangarez	United Fruit Co	NewOrleans and wayports.
February 17	San Gil	United Fruit Co	Boston via Port Limon.
February 17	Ceiba	Standard Fruit S. S. Co	San Blas coast, R. P.
February 18	Carrillo	United Fruit Co	New York via wayports.
February 18	Ulua	United Fruit Co	New York via wayports.
February 19	San Jose	United Fruit Co	New York via Habana.
February 19	Carare	Elders & Fyffes, Ltd	Bristol via Kingtson.
February 19	Ceiba	Standard Fruit S. S. Co	New Orleans, La.
February 19	M. F. Benefit [25]	F. Britton	Bluefields, Nicaragua.
February 19	Flor de Panama [24]	A. Tagaropulos	Colon, Rep. of Panama.

[24] Motor schooner. [25] Schooner. [26] Motor schooner and barge. [27] Destroyer.

PORT OF BALBOA.

Date.	Vessel.	Line.	From—
February 14	Dos Hermanos [28]	A. Valdez	Panama Bay, R. P.
February 14	Agnes E [28]	Pacific Fruit Co	Panama Bay, R. P.
February 14	Satanta	Standard Transportation Co	Los Angeles, Calif.
February 15	Rosana [28]	A. Fait & Co	Puntarenas, Costa Rica.
February 15	W. S. Miller	Standard Oil Co. of Calif	San Francisco, Calif.
February 16	Hampton Roads	Oil Transport Co	Los Angeles, Calif.
February 17	Nora	Grace Line	Los Angeles, Calif.

Date.	Vessel.	Line.	For—
February 14	Dos Hermanos [28]	A. Valdez	Panama Bay, R. P.
February 14	Agnes E [28]	Pacific Fruit Co	Panama Bay, R. P.
February 15	Coronel Bolognesi [29]	Peruvian Navy	Callao, Peru.
February 15	Almirante Grau [29]	Peruvian Navy	Callao, Peru.
February 16	R-1 and R-2 [30]	Peruvian Navy	Callao, Peru.
February 16	Satanta	Standard Transportation Co	Los Angeles, Calif.
February 17	W. S. Miller	Standard Oil Co. of Calif	Los Angeles, Calif.
February 17	Rosana [28]	A. Fait & Co	Puntarenas, Costa Rica.
February 19	Hampton Roads	Oil Transport Co	Los Angeles, Calif.
February 19	Nora	Grace Line	Los Angeles, Calif.

[28] Motor schooner. [29] Cruiser. [30] Submarine.

*Other than ships passing through the Canal.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending February 19, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Almagro	Pacific Steam Navigation Co		February 13		595
Ecuador	Panama Mail S. S. Co		February 13		48
Cryussen	Royal Netherlands W. I. Mail	February 12	February 13	15	1,337
Orita	Pacific Steam Navigation Co	February 13	February 13	(1)	5
Santos	Johnson Line	February 13	February 14	(1)	320
Guayaquil	Panama Railroad S. S. Line	February 13	February 14	272	399
Atrato	Colombian Transport Co		February 14		120
Tongking	East Asiatic Co	February 14	February 14	(1)	5
Venezuela	Panama Mail S. S. Co	February 14	February 15	541	276
Perene	Peruvian Line	February 14	February 15	308	(2)
Cid	Pacific Steam Navigation Co	February 15	February 16	504	120
Cristobal	Panama Railroad S. S. Line	February 16		4,623	
City of San Francisco	Panama Mail S. S. Co		February 16		2,816
Garfield	N. O. & S. A. S. S. Line	February 16	February 17	60	159
Abangarez	United Fruit Co	February 16	February 17	673	219
Evelyn	Grace Line	February 16	February 17	85	359
Linda S	R. Feuillebois	February 16	February 16	(1)	41
Cellina	Nav. Libera-Triestina	February 16	February 18	670	(2)
Montgomeryshire	Royal Mail S. P. Co	February 16	February 17	73	153
San Gil	United Fruit Co	February 17	February 18	55	(2)
Ulua	United Fruit Co	February 17	February 18	132	32
Amsterdam	Royal Netherlands W. I. Mail	February 17	February 18	482	208
Wiegand	Roland Line	February 17	February 18	22	325
Ceiba	Standard Fruit S. S. Co	February 17	February 18	198	6
Antinous	French Line	February 17	February 18	(1)	145
Carrillo	United Fruit Co	February 17	February 18	211	852
Sixaola	United Fruit Co	February 17	February 17	½	49
San Jose	United Fruit Co	February 19	February 19	102	94
Ceiba	Standard Fruit S. S. Co	February 19	February 19	3	491
Honduras	United Fruit Co	February 19	February 19	261	(2)
Nevada	United Fruit Co	February 19	February 19	120	(2)
M. F. Benefit	Colon Import & Export Co	February 19	February 19	(1)	82
Carare	Elders & Fyffes, Ltd	February 19	February 19	21	(2)
Amassia	Hamburg-American Line	February 19		175	
Lochkatrine	Pacific Steam Navigation Co	February 19		533	

(1) No cargo discharged. (2) No cargo laded.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective February 15, 1927:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.23
Gasoline, motor grade	Gal.	.18
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.20
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals	2.00
Oil, ammonia, cylinder	Gal.	.40
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.44
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.60
Oil, kerosene, in drums	Gal.	.17
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.15
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.12
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.18
Waste, cotton, white	Lb.	.20

Ship's Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

THE PANAMA CANAL RECORD

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Volume XX. Balboa Heights, C. Z., March 2, 1927. No. 30.

Canal Traffic for February.

During the month of February, 1927, 449 commercial vessels and 28 small launches transited the Canal. Tolls on the commercial vessels aggregated $1,994,860.82, and on the launches $142.41, or a total tolls collection of $1,995,003.23.

The daily average number of transits of seagoing vessels for the month was 16.03, and the daily average tolls collection $71,245.03. The average amount of tolls paid by each of the commercial transits was $4,442.90, as compared with $4,480.27 for the month of January, 1927.

The daily average number of transits was the highest for any month since March, 1926, when the average was 16.32. The daily average tolls collection was the highest for any month since January, 1924, when the average was $71,511.45.

Traffic for the past month established a record for February traffic through the Canal, both in number of transits and in amount of tolls collected. The largest February traffic heretofore was 424 transits in 1926, and $1,964,155.59 in tolls in 1924.

Traffic from the Atlantic to the Pacific was considerably heavier than in the opposite direction, there being 200 transits from the Pacific to the Atlantic and 249 from the Atlantic to the Pacific during the month.

In the following tabulation the number of commercial transits and the amount of tolls collected are shown for the first 8 months of the current fiscal year, with the daily average of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
July	456	$1,980,719.67	14.71	$63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
January, 1927	443	1,934,760.71	14.29	64,024 54
February	449	1,994,860.82	16.03	71,245.03
Totals	3,589	15,909,261.29	14.76	65,470.21

Record Cargoes of Coal and Handling Records.

In THE PANAMA CANAL RECORD of March 11, 1925, there appeared a statement that the steamship *Chilore* had arrived at Cristobal the morning of February 23, 1925, with a cargo of 19,792 tons of coal from Norfolk, Va., for The Panama Canal coaling plant. This cargo of coal was at that time the largest ever received on the Canal Zone and believed to have been the largest ever carried by any one vessel.

It took about 10 hours to load the coal at Norfolk and 45 hours and 15 minutes to unload it at the coaling plant.

Since the publication of the item referred to above, this same vessel has brought two larger cargoes of coal to the Isthmus, and the time consumed in loading and unloading as set forth above has been reduced considerably. On June 21, 1926, a cargo of 20,055 tons of coal was placed aboard the *Chilore* at Norfolk in 5 hours and 21 minutes actual loading time, an average of 62½ tons per minute or 3,746.6 tons per hour. In connection with this cargo, the vessel was docked at 4.40 a. m., loading began at 7.15 a. m., was completed at 12.36 p. m., and the vessel sailed for the Canal Zone at 4 p. m. the same day. This is reported as being the fastest loading time ever made at Norfolk, Va., and as comparing favorably with loading on the Great Lakes in the United States where fast handling of ore cargoes is a specialty.

On February 5, 1927, the *Chilore* arrived at the coaling plant, Cristobal, laden with 20,020 tons of coal. This cargo was discharged at the coaling plant in 26 hours and 30 minutes with three unloaders working a total of 76¼ tower hours or an average of a little over 262½ tons per tower hour. This is the fastest unloading the coaling plant has done on the *Chilore* though it has been exceeded on other vessels.

The fastest unloading the coaling plant has done was on the *Bethore*, another vessel of the fleet carrying iron ore from Cruz Grande, Chile, to Baltimore, Md., on January 21 of the present year. Nine thousand and fifty-one tons were unloaded in 9 hours and 55 minutes by three towers working 29¾ tower hours, an average of over 304 tons per tower hour. The rated capacity of these towers is 250 tons per hour therefore the 304 tons is 54 tons higher than their rated capacity.

Effect of Water in Gatun Lake on Marine Growth on Ship's Bottom.

In transiting the Canal recently, the U. S. S. *Rochester* spent slightly more than 48 hours in the waters of Gatun Lake, during which time a diver was sent down morning and evening to inspect the bottom and note the progressive effect of the fresh water on marine growth. From the report submitted by the commanding officer of the vessel, the following has been prepared:

February 16, 1927. The vessel entered Miraflores Lake about 2 p. m., passed into Gaillard Cut about 3 p. m., proceeded through the Cut and Gatun Lake to a point near Gatun Locks where anchor was dropped in the Lake at 5.29 p. m.

February 17, 1927. The first descent was made at 7 a. m.; no grass remained except a very small amount which was dead and brushed off easily; no slime was noted; a considerable number of barnacles were found, mostly under the bilge keels, the larger ones being found higher and the smaller ones near the keel; all barnacles were solid, alive, and very difficult to remove.

At 5 p. m. the diver found that the barnacles had softened appreciably, that they were much more readily broken and that the smaller ones, those up to about three-fourths of an inch in diameter, were readily removable, though the larger ones required considerable force and a sharp tool to dislodge.

February 18, 1927. At 7 a. m. it was found that the barnacles had softened considerably and had become smoother to the touch though there was little change in the tenacity with which they adhered. At

5 p. m. most of the barnacles had opened leaving only the empty shells attached to the bottom, these shells being easily removable; above the turn of the bilge and near the surface, the shells had opened but many of them still contained the barnacle; these were readily removable also.

No further opportunity for observation was had as the ship entered Gatun Locks at 1.40 a. m. on the morning of the 19th, and passed into the Atlantic Ocean. From the observations made, it appears that immersion in fresh water for 48 hours is sufficient to kill barnacles and make the shells readily removable.

Facilities for Mineral Oil Storage.

The Standard Oil Co. of New Jersey has three new storage tanks under construction at the Balboa tank farm. When these tanks are completed facilities for storage of mineral oils on the Canal Zone will be as shown in the following tabulation in which the three new tanks are listed under the subheading "Fuel oil."

Owner.	Cristobal.		Balboa.		Total both terminals.	
	No. of tanks.	Working capacity.	No. of tanks.	Working capacity.	No. of tanks.	Working capacity.
	Fuel oil.					
		Barrels.		*Barrels.*		*Barrels.*
Asiatic Petroleum Storage Co	2	110,000	2	135,000	4	245,000
Arrow Oil Co	2	110,000	.....	.....	2	110,000
Huasteca Petroleum Co	3	165,000	.....	.....	3	165,000
Panama Agencies Co	.....	.....	1	80,000	1	80,000
Panama Canal	4	207,000	4	194,000	8	401,000
Standard Oil Co. of New Jersey	.....	.....	3	215,000	3	215,000
Texas Co	2	110,000	.....	.....	2	110,000
Union Oil Co. of California	.....	.....	2	117,000	2	117,000
United States Navy	3	150,000	3	150,000	6	300,000
United Fruit Co	2	110,000	.....	.....	2	110,000
West India Oil Co	2	110,000	1	64,000	3	174,000
Total fuel oil storage	20	1,072,000	16	955,000	36	2,027,000
	Diesel oil.					
		Barrels.		*Barrels.*		*Barrels.*
Asiatic Petroleum Storage Co	.....	.....	1	55,000	1	55,000
Panama Agencies Co	.....	.....	1	25,000	1	25,000
Panama Canal	1	42,000	.....	.....	1	42,000
Union Oil Co. of California	.....	.....	3	111,000	3	111,000
West India Oil Co	.....	.....	1	20,000	1	20,000
Total Diesel oil storage	1	42,000	6	211,000	7	253,000
	Gasoline.					
		Gallons.		*Gallons.*		*Gallons.*
Panama Canal	1	225,000	2	394,000	3	619,000
West India Oil Co	.....	.....	1	1,470,000	1	1,470,000
Total gasoline storage	1	225,000	3	1,864,000	4	2,089,000
	Kerosene.					
		Gallons.		*Gallons.*		*Gallons.*
Panama Canal	1	168,000	1	210,000	2	378,000

In the aggregate, upon the completion of the three now under construction, there will be a total of 49 tanks with an aggregate storage capacity of approximately 2,338,000 barrels. As may be seen by the above tabulation, these facilities are fairly evenly divided as between the two sides of the Isthmus, there being 23 tanks at Cristobal with a combined storage capacity of approximately 1,123,000 barrels, and 26 tanks at Balboa with a combined storage capacity of approximately 1,215,000 barrels.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, February 26, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Plow City	19	14.55	20	1.15	20	11.11	20	12.30	American	Charles Nelson & Co.	324.0	46 0	25.7	Galveston, Texas	Seattle, Wash.	Sulphur	5,064	3,983	2,631
Chetopa	19	14.03	20	1.19	20	12.14	20	13.25	American	Charles Nelson & Co.	324 0	46.2	22 6	Wilmington, Del.	Tacoma, Wash.	Coal and powder	3,871	3,984	2,628
Loshkatrine [2]	19	8.00	20	2.20	20	15.24	20	16.30	British	Royal Mail S. P. Co.	485.0	62.0	20.3	Rotterdam, Holland	Vancouver, B. C.	General, bananas	2,198	10,802	7,595
Hagan [1]	19	13.35	20	4.20	20	16 47	20	17.45	American	McAllister Brothers	416.9	56.0	19.0	Galveston, Texas	Los Angeles, Calif.	Ballast		6,728	4,737
Kendal Castle	19	22.05	20	5 48	20	17 11	20	18.15	British	James Chambers & Co.	416.8	55.6	25.0	New York, N. Y.	Shanghai, China	General	5,671	6,773	4,973
Ruapehu	20	6 55	20	7.15	20	16.06	20	21.56	British	N. Z. Shipping Co.	457.0	58.0	25.6	London, England	Wellington, N. Z.	General	4,064	9,079	6,798
Melville Dollar	20	00 05	20	7.50	20	17.35	20	18.30	American	Dollar Line	429.0	55.2	22.11	Norfolk, Va.	Los Angeles, Calif.	Steel and general	5,415	7,581	5,519
Dixie Arrow [1]	19	23.07	20	8.40	20	18.27	20	19 34	American	Standard Transp. Co.	468.3	62.7	21.0	New York, N. Y.	Los Angeles, Calif.	Ballast		9,744	7,140
Sugilleneo	20	5.15	20	9.25	20	19 34	20	21 00	American	Transmarine Lines	324.0	46.0	21.0	Newark, N. J.	San Francisco, Cal.	General	3,459	3,984	2,612
Munsomo	20	7.45	20	9.35	20	19 37	20	21.00	American	Munson, McCor'k Line.	327.2	46.2	20.8	New York, N. Y.	Seattle, Wash.	General	4,732	3,750	2,728
America [1]			20		20	10.29			Panaman	J. H. Stilson				Cristobal, C. Z.	Gatun, C. Z.	Ballast		6	6
San Patricio [1]	20	15 42	21	00.45	21	9 35	21	10.09	British	Anglo-Mexican Pet. Co.	530.0	66.6	21.3	North Shields, Eng	Los Angeles, Calif.	Ballast		11,886	8,664
Point Lobos	20	16 20	21	1.50	21	10.35	21	11.46	American	Swayne & Hoyt	289.0	44.0	20.6	Houston, Texas	San Francisco, Cal.	Pipe and general	3,765	2,899	1,946
Haggersgate	20	20.35	21	3.50	21	14 37	21	16.00	British	Andrew Weir & Co.	425.0	54.6	25.3	Port Arthur, Texas	Darien, China	(8)	8,268	6,963	5,311
Walter Jennings [1]	21	3.25	21	5.28	21	15.10	21	16.00	American	Standard Oil Co.	499.2	68.1	21.0	Baltimore, Md.	Los Angeles, Calif.	Ballast		11,037	7,995
O-4 [4]			21	6.00	21	14.10	21	16.00	American	U. S. Navy	172.4	18.3		Cristobal, C. Z.	Balboa, C. Z.				
O-7 [4]			21	6.00	21	14.10	21	16.00	American	U. S. Navy	172.4	18.3		Cristobal, C. Z.	Balboa, C. Z.				
O-9 [4]			21	6.00	21	14.10	21	16.00	American	U. S. Navy	172.4	18.3		Cristobal, C. Z.	Balboa, C. Z.				
O-10 [4]			21	6.00	21	14 10	21	16.00	American	U. S. Navy	172.4	18.3		Cristobal, C. Z.	Balboa, C. Z.				
O-6 [4]			21	6 45	21	15.27	21	16.00	American	U. S Navy	172.4	18.3		Cristobal, C. Z.	Balboa, C. Z.				
O-8 [4]			21	6.45	21	15.27	21	16.00	American	U. S. Navy	172.4	18.3		Cristobal, C. Z.	Balboa, C. Z				
Agwimars [1]	21	4.45	21	7.45	21	15 56	21	17.00	American	A. G. W. I. S. S. Lines	429.3	59.2	19.5	New York, N. Y.	Los Angeles, Calif.	Ballast		7,695	5,408
Invergordon [1]	21	7 15	21	9 00	21	16 36	21	21.02	British	British-Mexican Pet. Co.	412.9	55.6	16.0	Brixham, England	Los Angeles, Calif.	Ballast		7,116	4,433
Arizona	20	20.40	21	10 50	21	17.30	21	18.45	British	French Line	425.0	54.8	19.5	Antwerp, Belgium	San Francisco, Cal.	General	1,241	7,097	4,936
Port Adelaide	21	10 05	21	13 30	21	21.07	21	22.16	British	Com'lth & Dom. Line	480.0	62.3	26.0	London, England	Adelaide, Australia.	General	3,505	10,777	8,130
Floreana [5]	20	15.10	21	13.20	22	12.46	23	19.10	Ecuadorian	Lloyd Colombiana	150.0	27.2	11.6	Cristobal, C. Z.	Buenaventura, Col.	General	686	410	307
Swan [6]			21	6 45	21	15 30			American	U. S. Navy	180.0	35.6		Cristobal, C. Z.	Balboa, C. Z.				
Losada [2]	21	9.10	22	3.50	22	14.02	22	20.14	British	Pacific Steam Nav. Co.	406.1	54.2	20.0	Hull, England	Valparaiso, Chile	(9)	5,249	7,221	4,844
Esperanza [3]			22		22				Colombian	A. A. Thorp				Cristobal, C. Z.	Balboa, C. Z.	Unknown		4	4
Rezinolite [2] [1]	22	00 10	22	5.12	22	14.56	22	15 58	British	Imperial Oil Co., Ltd.	469.2	63.0	23.0	New York, N. Y.	Talara, Peru	Ballast		9,231	6,304
Camden [1]	20	18 40	22	6.15	22	15 00	22	16.00	American	United Fruit Co	419.5	56.5	18.4	Cristobal, C. Z.	Los Angeles, Calif.	Ballast		6,997	4,959
Seekonk [2]	22	4.40	22	7.00	22	15 58	22	17.04	American	Amer. Ship. & Com. Co.	401.0	54.0	23.0	Antwerp, Belgium	Portland, Oreg.	General	6,730	6,162	4,417
Oregonian	22	1.15	22	8.25	22	16.39	22	18.00	American	Amer.-Hawaiian Line	404.6	54.0	21.3	Boston, Mass.	Portland, Oreg.	General	5,163	6,754	4,780
Javanese Prince [2]	22	11 15	22	11 35	22	17.35	22	18.42	British	Prince Line, Ltd.	441.6	60.0	24.0	New York, N. Y.	Yokohama, Japan	General	5,426	9,240	6,145
Steel Engineer	22	13.40	22	13.50	22	21.12	22	22.12	American	Isthmian S. S. Lines	424.2	56.2	24.0	Galveston, Texas	Kobe, Japan	(10)	7,288	7,611	5,450
Laurel [7]			22		22	9.29			American	S. M. Perkins				Cristobal, C. Z.	Gatun, C. Z.	Ballast		13	13
Canadian Conqueror	22	14 45	23	00.20	23	10.08	23	11.19	British	Can. Gov. Mer. Marine	400.4	52.3	21.0	Halifax, N. S.	Brisbane, Australia	General	2,954	5,954	4,139

[1] Tanker. [2] Motor ship. [3] Launch. [4] Submarine. [5] Motor schooner. [6] Mine sweeper. [7] Barge. [8] Case oil and products. [9] Rails, cement, and general.

[10] Steel rails, cotton, and sulphate of ammonia.

Ashworth	22	17.15	23	1.40	23	11.07	23	12.05	British	R. S. Dagliesh & Co.	400.0	52.3	15.0	Newcastle, England	Arica, Chile	Ballast	.....	5,732	3,991
Buenos Aires	21	20.20	23	3.10	23	12.00	23	13.25	Spanish	Spanish Line	410.6	48.2	22.0	Barcelona, Spain	Valparaiso, Chile	General	397	5,624	3,844
Orleans	22	23.17	23	4.45	23	14.29	23	15.25	American	Quaker Line	395.5	55.0	20.6	Philadelphia, Pa.	Portland, Oreg.	General	4,300	7,330	5,233
Paul Shoup [1]	23	00.55	23	6.15	23	15.15	23	19.10	American	Tidewater Oil Co.	424.4	58.2	21.6	New York, N. Y.	San Francisco, Cal.	Ballast	.....	7,333	5,119
Knoxville City	23	5.05	23	7.15	23	15.28	23	20.40	American	Isthmian S. S. Lines	424.2	56.0	25.4	Baltimore, Md.	Vancouver, B. C.	General	7,363	7,611	5,450
Hollywood	23	8.15	23	8.25	23	16.07	23	19.50	American	Chas. McCormick & Co.	410.5	54.0	20.8	Buenos Aires, Arg.	Seattle, Wash.	General	5,684	6,583	4,932
Wentworth	23	10.55	23	11.15	23	17.52	23	19.10	British	R. S. Dagliesh & Co.	400.0	52.3	15.0	Oran, Africa	Antofagasta, Chile	Ballast	.....	5,721	4,058
Montgomery City	23	11.13	23	11.25	23	19.10	24	1.12	American	Isthmian S. S. Lines	424.0	56.2	25.0	Baltimore, Md.	Chinwangtao, China	(14)	8,126	7,611	5,450
Kapolna	23	00.50	23	13.00	23	20.20	23	21.35	Norwegian	Huldar Verik	265.0	42.0	18.2	Brevik, Norway	Chanaral, Chile	(15)	2,212	2,099	1,413
Sumar [11]	22	13.50	23	13.05	23	20.12	.....	.....	American	David C. Whitney	149.0	26.1	12.0	New York, N. Y.	Honolulu, T. H.	Ballast	.....	494	341
Cauca [5]	21	00.05	24	00.01	24	9.22	24	16.35	Colombian	National Navigation Co	107.0	23.0	10.1	Cristobal, C. Z.	Buenaventura, Col.	General	250	238	163
Anatolia	23	00.15	23	23.50	24	9.27	24	10.48	German	Roland Line	316.0	45.0	16.0	Bremen, Germany	Champerico, Guat.	General	855	3,509	2,463
Itauri	23	00.10	24	1.40	24	11.12	24	15.15	German	Kosmos Line	439.0	55.6	24.0	Hamburg, Germany	Valparaiso, Chile	General	6,671	7,004	5,017
Cabrille	23	14.20	24	3.10	24	10.20	24	11.39	American	Chile S. S. Co.	391.8	51.3	20.9	Mobile, Ala.	Los Angeles, Calif.	Ballast	.....	.....	.....
Tofuku Maru	23	19.20	24	4.35	24	12.07	24	13.50	Japanese	K. K. K. K. Line	385.0	51.0	26.2	Newport News, Va.	Yokohama, Japan	(16)	6,445	5,919	4,400
Santa Luisa	23	22.32	24	8.00	24	14.22	24	17.00	American	Grace Line	360.2	51.2	24.3	New York, N. Y.	Talcahuano, Chile	General	1,990	5,710	3,998
Dorothy Luckenbach	24	00.25	24	8.10	24	16.11	24	17.15	American	Luckenbach Line	448.9	60.2	29.10	Boston, Mass.	Portland, Oreg.	General	9,327	9,294	6,861
Willnilo	24	8.30	24	9.25	24	16.57	24	18.28	American	Williams S. S. Line	434.0	57.6	21.6	Baltimore, Md.	Seattle, Wash.	General	5,960	7,983	5,882
Texas	22	6.40	24	10.10	24	17.22	24	18.28	French	French Line	409.8	52.0	19.0	Bordeaux, France	Valparaiso, Chile	Iron and general	2,466	6,824	4,885
Colombo [12]	24	10.30	24	11.00	24	17.46	25	2.15	British	British Navy	425.0	43.5	16.0	St Lucia, B. W. I.	Corinto, Nic'gua	.....	.....	.....	.....
Kiel	23	16.25	24	12.10	24	19.14	24	20.36	German	Kosmos Line	352.0	48.6	17.10	Hamburg, Germany	Champerico, Guat.	General	1,988	4,436	2,764
Storstad [2]	24	6.35	24	12.35	24	20.08	25	7.31	Norwegian	A. F. Klaveness	470.0	62.0	15.0	Avonmouth, Eng.	Los Angeles, Calif.	Ballast	.....	9,193	6,273
Altuna Mendi	24	7.55	24	13.30	24	21.16	24	22.30	Spanish	Sotar & Aznar Co.	400.0	53.0	14.0	Cardiff, England	Arica, Chile	Ballast	.....	6,282	4,547
Totem [3]	.....	.....	24	.....	24	15.19	.....	.....	American	Fred Whaler	.....	.....	.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....	17	17
Jurel [3]	.....	.....	24	.....	24	15.19	.....	.....	American	C. E. Landers	.....	.....	.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....	5	5
Pal O'Mine [3]	.....	.....	24	.....	24	16.16	.....	.....	American	J. H. Stilson	.....	.....	.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....	2	2
Ingram	23	22.30	25	2.05	25	9.29	25	12.30	German	Roland Line	367.0	51.0	22.6	Bremen, Germany	Buenaventura, Col.	General	5,634	4,899	3,704
Hoyeisan Maru	24	9.05	25	3.50	25	10.59	25	12.30	Japanese	Mitsui & Co.	407.2	50.0	24.3	Runcorn, England	Hakodate Japan	Salt	6,800	6,483	4,786
LaPlata Maru [2]	24	14.20	25	5.00	25	11.49	25	13.05	Japanese	Osaka Shosen Kaisha	431.0	56.0	20.0	Buenos Aires, Arg.	Yokohama, Japan	General	2,988	7,875	5,821
President Polk	25	5.15	25	6.50	25	13.32	26	00.38	American	Dollar Line	502.1	62.2	30.6	New York, N. Y.	San Francisco, Cal.	General	4,608	12,66[illegible]	9,254
Pacific Pine	25	7.20	25	7.45	25	16.10	26	2.00	American	Ocean Transp. Co.	410.5	54.0	23.1	Newcastle, Eng.	Seattle, Wash.	General	6,295	6,533	4,929
Erfurt [2]	25	8.30	25	8.55	25	15.12	26	3.15	German	Roland Line	360.1	51.1	14.10	Bremen, Germany	Iquique, Chile	Ballast	.....	5,035	3,533
Hawaiian	25	9.10	25	9.30	25	16.58	25	17.55	American	Amer.-Hawaiian Line	494.0	53.9	22.2	Boston, Mass.	Seattle, Wash.	General	4,846	6,766	4,809
Alvarado	23	14.30	25	10.20	25	19.15	25	20.48	British	Pacific Steam Nav. Co.	303.0	43.0	17.6	New York, N. Y.	Callao, Peru	General	1,662	2,844	1,748
Pacific Transport	25	7.50	25	11.05	25	18.24	25	20.12	British	Houlder Brothers Co.	385.0	52.0	25.0	Tampa, Fla.	Sydney, Australia	Phosphate	6,736	5,040	3,688
Oroya	25	17.20	26	3.00	26	10.37	26	13.40	British	Pacific Steam Nav. Co.	525.0	62.0	24.6	Liverpool, England	Valparaiso, Chile	General	3,702	13,133	9,064
Latouche	23	1.08	26	4.20	26	14.43	26	22.13	American	Alaska S. S. Co.	240.0	41.0	13.3	Cristobal, C. Z.	Champerico, Guat	Ballast	.....	2,50[illegible]	1,744
Canadian Beaver	25	14.12	26	4.25	26	14.50	26	16.10	British	Can. Gov. Mer. Marine	251.0	44.0	17.6	Halifax, N. S.	Vancouver, B. C.	General	1,410	2,526	1,626
Ruahine	26	5.30	26	6.30	26	13.46	26	23.17	British	N. Z. Shipping Co.	480.6	60.3	25.0	London, England	Wellington, N. Z.	General	6,032	11,443	8,417
Zrinski	25	20.15	26	7.15	26	15.20	26	16.40	Yugo-Slav	Baburizza & Co.	399.6	53.0	13.10	Rotterdam, Holland	Antofagasta, Chile	Ballast	.....	6,29[illegible]	4,536
Algonquin [2]	26	6.20	26	7.50	26	15.39	26	16.40	American	Standard Oil Co.	435.0	56.0	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	7,60[illegible]	5,337
Frogner	26	6.45	26	8.50	26	16.46	26	18.05	Norwegian	Fern Line	407.0	53.10	26.8	Houston, Texas	Yokohama, Japan	(17)	7,932	7,01[illegible]	5,310
Belfast Maru	26	10.45	26	11.00	26	17.51	26	19.10	Japanese	Kawasaki Kisen Kaisha	405.0	53.0	27.0	Baltimore, Md.	Yokohama, Japan	General	6,000	7,043	5,077
Gen. Wm. M. Graham [13]	.....	.....	26	7.30	26	15.07	.....	.....	American	U. S. Army	156.0	32.0	.....	Cristobal, C. Z.	Balboa, C. Z.	.....	.....	.....	.....
Ida [3]	.....	.....	26	.....	26	11.09	.....	.....	American	C. A. Blair	.....	.....	.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....	1	1
Eileen [3]	.....	.....	26	.....	26	11.09	.....	.....	American	C. A. Blair	.....	.....	.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....	4	4

[2] Tanker. [11] Yacht. [12] Cruiser. [13] Mine planter. [14] General, steel rails, pipes, and sulphate of ammonia. [15] Dynamite, cement, and paper. [16] Tobacco, cotton, and phosphate.
[17] Steel rails and cotton.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
La Brea [1]	19	9.00	20	6.30	20	14.38	20	14.38	American	Union Oil Co. of Calif.	425.0	56.2	27.6	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	8,829	7,159	4,765
Watertown [1]	20	4.15	20	7.22	20	16.25	20	16.25	American	Cities Service Trans. Co.	416.9	56.2	27.4	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	9,900	6,717	4,778
Athenic	20	2.35	20	8.11	20	15.55	20	20.55	British	Shaw, Savill & Albion	599.3	63.3	25.0	Port Chalmers, N.Z.	London, England	Cold storage, gen.	6,000	12,896	9,571
Lochgoil [18]	19	18.45	20	8.51	20	17.30	21	1.10	British	Royal Mail S. P. Co.	485.6	62.3	27.6	Vancouver, B. C.	Rotterdam, Holland	General	9,443	10,803	7,696
Camden [1]	19	21.00	20	9.36	20	18.40	22	6.15	American	United Fruit Co.	419.5	56.5	26.6	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	9,075	6,977	4,959
Ario [1]	19	21.45	20	10.15	20	19.15	20	19.15	American	Standard Transp. Co.	435.6	56.2	27.6	Los Angeles, Calif.	New York, N. Y.	Gas oil	10,169	7,386	5,117
Point Reyes	19	22.25	20	10.39	20	20.09	20	20.09	American	Swayne & Hoyt	324.0	46.2	23.4	Portland, Oreg.	New Orleans, La.	General	3,630	3,984	2,617
Loreto [18]	20	00.30	20	11.01	20	21.45	20	23.15	British	Pacific Steam Nav. Co.	496.2	54.2	26.6	Corral, Chile	London, England	General	7,949	7,334	5,037
Magellan	20	3.39	20	11.47	20	20.45	20	21.33	British	Pacific Steam Nav. Co.	461.6	59.2	27.3	Pimental, Peru	Liverpool, England	Sugar and cotton	8,738	8,617	6,063
Invincible	20	10.00	20	12.27	20	22.25	21	3.20	American	American-Pioneer Line	449.0	56.0	27.6	Pulupandan, P. I.	New York, N. Y.	General	9,989	8,329	6,157
Tenpaisan Maru	20	10.20	20	13.00	21	00.15	21	6.15	Japanese	Mitsui Bussan Kaisha	380.0	53.25	22.6	Portland, Oreg.	Norfolk, Va. [19]	Wheat	6,759	5,551	3,614
Cauca [18]	20	11.00	20	13.07	21	00.05	24	0.01	Colombian	National Navigation Co.	107.48	22.97	10.6	Buenaventura, Col.	Cristobal, C. Z.	General	272	238	163
Dryden	20	9.45	21	6.10	21	14.55	21	14.55	American	American-Pioneer Line	434.3	57.7	25.0	Yokohama, Japan	New Orleans, La.	General	9,098	7,983	5,882
Phoenix [1]	20	23.10	21	7.03	21	19.30	21	19.30	American	American Tankers Corp.	400.8	54.3	27.8	Los Angeles, Calif.	New York, N. Y.	Gasoline	8,650	6,636	4,389
Herakles	20	17.20	21	8.10	21	20.00	21	20.00	Norwegian	Dupont de Nemours Co.	389.8	54.1	24.8	Iquique, Chile	New Orleans, La.	Nitrate	7,990	5,680	4,220
Legazpi	21	7.45	21	9.28	21	18.30	22	20.45	Spanish	Cia Transatlantica	375.6	47.0	19.0	Valparaiso, Chile	Barcelona, Spain	General	788	4,506	2,827
Jacob Luckenbach	20	23.00	21	10.07	21	20.35	21	20.35	American	Luckenbach Line	414.5	53.7	25.4	Seattle, Wash.	Mobile, Ala.	General	5,393	7,315	5,270
Italy Maru	21	9.40	21	11.08	21	21.45	21	21.45	Japanese	T. Matsumoto	385.0	51.0	26.0	Vancouver, B. C.	Genoa, Italy	Wheat in bulk	7,493½	5,941	4,388
Svealand [18]	21	16.45	22	5.55	22	15.40	22	15.40	Swedish	Axel Brostrom & Son	561.10	72.2	34.0	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	15,425	4,421
San Tiburcio [1]	22	1.15	22	7.13	22	18.45	22	21.55	British	Anglo-Saxon Pet. Co.	413.0	53.4	24.8	Los Angeles, Calif.	Lizard End, Eng. [19]	Gasoline	7,493	5,997	4,069
Benefactor	21	18.45	22	8.16	22	19.05	22	19.05	British	Charente S. S. Co.	409.5	52.2	27.0	Vancouver, B. C.	Liverpool, England	General	6,812	6,659	4,661
Sulamerco	22	4.40	22	8.48	22	20.15	22	20.15	American	Transmarine Lines	324.0	46.2	23.0	Tacoma, Wash.	New York, N. Y.	Lumber	3,754	3,984	2,628
Durango [1]	22	4.00	22	9.30	22	21.50	22	21.50	American	C. D. Mallory & Co.	435.0	56.0	28.6	Los Angeles, Calif.	San Juan, P. R.	Crude oil	10,000	7,643	5,391
American	22	7.35	22	9.55	22	20.45	22	20.45	American	Amer.-Hawaiian Line	420.6	53.9	25.0	Portland, Oreg.	Boston, Mass.	General	5,454	6,789	4,716
Oneida	21	12.50	22	10.12	22	22.40	22	22.40	American	Ford Motor Co.	251.0	43.6	21.06	Aberdeen, Wash.	New York, N. Y.	Lumber	2,656	2,656	1,632
Suholco	18	19.04	22	10.36	22	22.53	22	22.53	American	Transmarine Lines	324.0	46.2	23.0	Aberdeen, Wash.	New York, N. Y.	Lumber	5,900	3,984	2,619
Robert Luckenbach	22	11.30	22	12.19	22	23.55	23	1.55	American	Luckenbach Line	445.0	58.0	28.0	Portland, Oreg.	Boston, Mass.	General	9,010	8,695	6,375
Latouche	22	10.30	22	14.12	23	1.08	26	4.20	American	Alaska S. S. Co.	240.0	41.0	15.10	Buenaventura, Col.	Cristobal, C. Z.	Coffee, hides	1,019	2,506	1,744
Kinkasan Maru	22	13.45	22	14.52	23	1.25	23	3.50	Japanese	Mitsui & Co., Tokio	380.0	53.25	23.0	Portland, Oreg.	Norfolk, Va. [19]	Bulk wheat	6,891	5,545	3,483
William H. Doheny [1]	23	00.30	23	6.19	23	17.30	23	17.30	American	Pan-Amer. Pet. & Tr. Co.	435.0	56.2	26.02	Los Angeles, Calif.	Baltimore, Md.	Gasoline	9,258	7,694	5,111
Planorbis [1]	23	3.00	23	7.06	23	18.35	23	23.25	British	Anglo-Saxon Pet. Co.	412.0	53.3	25.6	San Francisco, Cal.	United Kingdom	Gasoline	7,399	6,262	4,310
Salvador	22	22.59	23	8.11	23	19.50	27	2.40	British	Pacific Steam Nav. Co.	215.0	33.5	17.8	Champerico, Guat.	Cristobal, C. Z.	General	1,067½	1,270	735
Georgian	23	5.00	23	9.13	23	19.54	23	19.54	American	Amer.-Hawaiian Line	386.8	52.2	25.6	Port Angeles, Wash.	New York, N. Y.	Lumber	6,200	5,719	4,023
King James [18]	23	11.45	23	12.42	23	20.40	24	4.55	British	Dodd, Thomson & Co.	400.13	59.0	25.0	Prince Rupert, B.C.	(20)	Wheat	8,450	7,369	5,592
Innerton	23	16.00	24	6.23	24	18.20	24	18.20	British	R. Chapman & Son	400.1	52.35	24.7	Prince Rupert, B.C.	United Kingdom	Wheat	7,245	5,740	4,037
Matakana	23	17.00	24	7.07	24	18.45	24	23.30	British	Shaw, Savill & Albion	477.50	62.0	24.0	Auckland, N. Z.	London, England	General	6,702	11,047	7,322

[1] Tanker. [18] Motor ship. [19] For orders. [20] United Kingdom or Continent, via Azores "for orders."

Turpin	23	23.00	24	7.55	24	19.55	24	21.15	German	Roland Line	395.10	52.0	26.4	Corral, Chile	Hamburg, Germany	General	7,603	6,175	4,423
Haarlem	24	00.20	24	9.07	24	21.20	25	10.58	Dutch	Royal Neth. W. I. Mail	361.5	49.6	21.3	Corral, Chile	Hamburg, Germany	General	5,175	4,759	3,660
Clan Alpine	23	17.30	24	11.12	24	21.55	24	21.55	British	Cayzer Irwin & Co.	410.2	52.0	21.6	Suva, S. Sea Isle	United Kingdom	Copra and gen.	6,057	7,025	5,182
Trenton [24]	23	14.30	24	13.18	24	22.47	24	22.47	American	U. S. Navy	550.0	55.0	16.7	Corinto, Nic'gua	Sea				
Teno	24	12.00	24	13.20	25	00.05	25	3.45	Chilean	Chilean Line	421.8	56.0	27.1	Valparaiso, Chile	New York, N. Y.	General	5,197	7,758	4,672
Heluan	24	18.35	25	6.13	25	15.30	26	1.30	German	Hamburg-American Line	441.2	52.8	25.3	Corral, Chile	Hamburg, Germany	General	7,244	7,621	5,313
Radnor	24	19.30	25	6.49	25	16.10	25	16.10	American	American-Pioneer Line	434.3	57.7	27.0	Iloilo, P. I.	New Orleans, La.	Sugar, copra, etc.	10,230	7,932	5,954
Standard [1]	25	00.30	25	8.15	25	17.30	25	17.30	American	Standard Oil Co. of N.J.	523.88	63.63	30.3	Los Angeles, Calif.	New York, N. Y.	Fuel oil	17,235	12,171	8,782
David McKelvy [1]	25	9.00	25	9.49	25	18.10	25	20.40	American	Tidewater Oil Co.	430.0	59.2	29.4	Los Angeles, Calif.	New York, N. Y.	Crude oil	11,036	7,629	5,235
Selma City	24	22.00	25	10.36	25	19.10	25	19.10	American	Isthmian S. S. Lines	324.0	56.2	26.6	Vancouver, B. C.	Liverpool, England	General	7,662	7,611	5,450
Tamaha [1]	25	11.30	25	12.35	25	21.00	28	8.31	British	Standard Transp. Co.	420.5	54.4	27.9	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	9,233	6,673	4,689
Hameln	25	13.45	25	14.35	25	23.18	27	2.50	German	Roland Line	367.1	47.7	21.11	Pimental, Peru	Antwerp, Belgium	General	5,410	4,590	3,283
Swan [22]	25	13.10	25	14.37	25	22.45			American	U. S. Navy				Pearl Island, R. P.	Cristobal, C. Z.				
Chilore	25	23.00	26	6.04	26	15.50	26	15.50	American	Ore S. S. Corp.	549.6	72.25	34.9	Cruz Grande, Chile	New York, N. Y.	Iron ore	20,000	14,533	9,348
Canadian Cruiser	25	18.20	26	7.11	26	16.40	27	1.45	British	Can. Gov. Mer. Marine	430.0	56.2	19.6	Sydney, Australia	Halifax, N. S.	General	3,387	7,630	5,494
Virginian	26	2.30	26	8.08	26	17.20	26	17.20	American	American-Hawaiian Line	491.5	58.2	28.6	Seattle, Wash.	Boston, Mass.	General, lumber	9,000	10,491	7,546
Sagadahoc	26	7.50	26	12.33	26	20.20	26	20.20	American	Argonaut S. S. Co.	420.5	51.2	27.6	Vancouver, B. C.	Baltimore, Md.	Lumber, ore, gen.	9,000	7,349	5,342
Cerro Ebano [1]	26	13.50	26	14.37	26	21.48	26	21.48	American	Huasteca Petroleum Co.	480.5	66.0	28.2	Los Angeles, Calif.	New York, N. Y.	Fuel oil	12,800	9,389	6,453

[1] Tanker. [21] Light cruiser. [22] Mine sweeper. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

*ARRIVALS.

Date.	Vessel.	Line.	From—
February 20	Parismina	United Fruit Co.	New Orleans via Habana.
February 22	Oranje Nassau	Royal Netherlands W. I. Mail	Amsterdam via wayports.
February 23	Parismina	United Fruit Co.	Port Limon, Costa Rica.
February 23	Atenas	United Fruit Co.	New Orleans via wayports.
February 23	Santa Marta	United Fruit Co.	New York via Kingston.
February 23	Meltonian	Leyland Line	Liverpool via wayports.
February 23	Granada	Standard Fruit S. S. Co.	New Orleans, La.
February 23	Flor de Panama [23]	A. Tagaropulos	Colon, R. P.
February 23	Maria Cristina [23]	A. Tagaropulos	Colon, R. P.
February 23	Caberia [23]	A. Tagaropulos	Colon, R. P.
February 23	Emperador [24]	A. Tagaropulos	Colon, R. P.
February 23	Willinnis [23]	A. Tagaropulos	Colon, R. P.
February 23	Victory [25]	Eisenmann & Eleta	Colon, R. P.
February 23	Convert [23]	A. Ferrari	Colon, R. P.
February 23	El Colon [23]	A. Tagaropulos	Colon, R. P.
February 24	Bienvenido	Welcome S. S. Line	Guanta, Venezuela.
February 24	Toloa	United Fruit Co.	New York via wayports.
February 24	La Perla	United Fruit Co.	Boston, Mass.
February 24	Macoris	French Line	Havre via wayports.
February 24	La Fayette	French Line	New York via wayports.
February 25	Amassia	Hamburg-American Line	Port Limon, Costa Rica.

*DEPARTURES.

Date.	Vessel.	Line.	For—
February 20	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
February 20	Amassia	Hamburg-American Line	Port Limon, Costa Rica.
February 20	Parismina	United Fruit Co.	Port Limon, Costa Rica.
February 22	Ruby [23]	Huskikwin Fishing Co.	Curacao, D. W. I.
February 23	Oranje Nassau	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
February 23	Parismina	United Fruit Co.	New Orleans, via Habana.
February 23	Flor de Panama [23]	A. Tagaropulos	Colon, R. P.
February 23	Maria Cristina [23]	A. Tagaropulos	Colon, R. P.
February 23	Caberia [23]	A. Tagaropulos	Colon, R. P.
February 23	Emperador [24]	A. Tagaropulos	Colon, R. P.
February 23	Willinnis [23]	A. Tagaropulos	Colon, R. P.
February 23	Victory [25]	Eisenmann & Eleta	Colon, R. P.
February 23	Convert [23]	A. Ferrari	Colon, R. P.
February 23	El Colon [23]	A. Tagaropulos	Colon, R. P.
February 24	Santa Marta	United Fruit Co.	New York via wayports.
February 24	Atenas	United Fruit Co.	New Orleans via wayports.
February 24	Meltonian	Leyland Line	New Orleans via Pt. Limon.
February 24	La Perla	United Fruit Co.	Boston via wayports.
February 24	Bienvenido	Welcome S. S. Line	Trinidad, B. W. I.
February 24	Granada	Standard Fruit S. S. Co.	San Blas coast, R. P.
February 25	Impco [23]	Colon Import & Export Co	Colon, R. P.

[23] Motor schooner. [24] Schooner. [25] Motor schooner and barge. * Other than ships passing through the Canal.

(Continued on page 408, column 2.)

Origin and Destination of Cargo Passing Through the Panama Canal, from the Atlantic to the Pacific, During the Calendar Year 1926.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.						
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America.	West coast of North America.[1]	Balboa.[2]	Hawaii.	Total, North America.
North America:													
United States—													
North Atlantic ports	116,686	12,531	7,796	43,084	219,063	399,160	2,324,543	11,987	27,369	53,862	59	47,406	2,465,226
South Atlantic ports	.....	.....	.....	.....	.....	.....	22,340	.....	.....	.....	.....	484	22,824
Gulf ports	9,731	335	524	2,192	20,036	32,818	308,291	12,975	11,145	9,559	306	4,887	347,163
Totals, United States	126,417	12,866	8,320	45,276	239,099	431,978	2,655,174	24,962	38,514	63,421	365	52,777	2,835,213
Cristobal, C. Z.[2]	2,327	25,959	3,135	5,336	29,267	66,024	25,398	91	57,595	2,474	49	.....	85,607
East coast of Canada	.....	.....	.....	.....	.....	.....	.....	46,311	.....	.....	.....	.....	46,311
West Indies	1,563	.....	.....	.....	72	1,635	10,729	29,126	.....	2,532	13,700	.....	56,087
East coast of Mexico and Central America	13,285	.....	.....	.....	.....	13,285	.....	12,300	7,971	.....	.....	.....	20,271
Totals, North America	143,592	38,825	11,455	50,612	268,438	512,922	2,691,301	112,790	104,080	68,427	14,114	52,777	3,043,489
Europe:													
British Isles	86,217	3,119	3,004	8,079	108,726	209,145	39,285	61,855	6,632	20,910	1,804	.....	130,486
Belgium	10,270	5,795	2,290	3,735	14,774	36,864	221,027	21,439	6,336	19,641	177	7,932	276,552
Denmark	.....	2,960	.....	.....	.....	2,960	145	252	.....	.....	.....	.....	397
France	4,112	.....	1,200	645	8,216	14,173	11,593	1,077	74	4,385	.....	.....	17,129
Germany	15,825	12,365	1,204	4,099	59,331	92,824	45,502	6,684	14,244	1,423	.....	3,100	70,953
Holland	5,825	.....	.....	1,557	7,166	14,548	68,187	2,592	800	3,135	.....	.....	74,714
Italy	5,643	.....	400	490	2,089	8,622	3,525	585	69	121	21	.....	4,321
Norway and Sweden	4,314	.....	300	170	2,580	7,364	22,997	.....	4,807	1,630	.....	.....	29,484
Spain and Portugal	338	.....	40	215	1,391	1,984	401	102	.....	.....	.....	.....	503
Yugo-Slav	7,000	.....	.....	.....	.....	7,000	.....	.....	.....	.....	.....	.....	.....
Europe[1]	5,377	3,094	45	840	268,924	278,280	99,608	8,187	20,506	37,888	578	.....	166,767
Totals, Europe	144,921	27,333	8,483	19,830	473,197	673,764	512,270	102,773	53,468	89,183	2,580	11,032	771,306
East coast of South America	7	2,673	.....	1,668	2,379	6,727	104,274	11,643	.....	2,404	.....	.....	118,321
Grand totals, 1926	288,520	68,831	19,938	72,110	744,014	1,193,413	3,307,845	227,206	157,548	160,014	16,694	63,809	3,933,116
Grand totals, 1925	283,381	17,141	12,511	76,918	828,801	1,218,752	3,055,893	191,867	153,732	174,295	18,100	64,665	3,658,552
Per cent of total cargo, 1926	3.4	0.8	0.2	0.8	9.0	14.2	39.1	2.7	1.9	1.9	0.2	0.8	46.6
Per cent of total cargo, 1925	3.7	0.2	0.2	1.0	11.0	16.1	40.5	2.5	2.0	2.5	0.2	0.9	48.4

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Atlantic to the Pacific, During the Calendar Year 1926.

(Figures represent tons of 2,240 pounds.)

From—	Asia.					Australasia.				Grand Total.		Per cent of total cargo, 1926.	Per cent of total cargo, 1925.
	Japan.	China.	Philippines	Far East.[2]	Total, Asia.	Australia.	New Zealand.	Australasia[1]	Total, Australasia	1926.	1925.		
North America:													
United States—													
North Atlantic ports	300,810	143,522	62,811	413,569	920,712	406,479	138,379	38,170	583,028	4,368,126	3,935,257	51.9	52.1
South Atlantic ports	36,658	3,580	.....	38,309	78,547	.....	.....	.....	.....	101,371	104,678	1.2	1.4
Gulf ports	292,883	134,486	11,818	137,442	576,629	100,507	55,530	56,451	212,488	1,169,098	941,491	13.9	12.4
Totals, United States	630,351	281,588	74,629	589,320	1,575,888	506,986	193,909	94,621	795,516	5,638,595	4,981,426	67.0	65.9
Cristobal, C. Z.[2]	.....	.....	.....	.....	.....	.....	.....	.....	.....	151,631	142,067	1.8	1.9
East coast of Canada	1,000	400	.....	884	2,284	58,981	86,647	4,763	150,391	198,986	144,387	2.3	1.9
West Indies	90,715	101,199	.....	17,614	209,528	.....	34,370	.....	34,370	301,620	130,133	3.6	1.7
East coast of Mexico and Central America	.....	.....	.....	3,000	3,000	10,850	.....	.....	10,850	47,406	101,331	0.6	1.3
Totals, North America	722,066	383,187	74,629	610,818	1,790,700	576,817	314,926	99,384	991,127	6,338,238	5,499,344	75.3	72.7
Europe:													
British Isles	.....	.....	.....	.....	.....	10,195	422,921	19,925	453,041	792,672	907,075	9.4	12.0
Belgium	.....	.....	.....	.....	.....	.....	11,089	200	11,289	324,705	281,147	3.9	3.7
Denmark	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,357	136	.....	.....
France	.....	.....	.....	.....	.....	.....	.....	16,797	16,797	48,099	27,151	0.6	0.4
Germany	.....	.....	.....	.....	.....	.....	.....	.....	.....	163,777	162,868	1.9	2.1
Holland	.....	.....	.....	.....	.....	.....	3,856	.....	3,856	93,118	78,764	1.1	1.0
Italy	.....	.....	.....	102	102	.....	.....	.....	.....	13,045	15,531	0.2	0.2
Norway and Sweden	.....	.....	.....	.....	.....	.....	.....	6,600	6,600	43,448	68,208	0.5	1.0
Spain and Portugal	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,487	2,367	.....	.....
Yugo-Slav	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,000	.....	0.1	.....
Europe[1]	.....	.....	.....	.....	.....	.....	.....	6,285	6,285	451,332	449,985	5.4	6.0
Totals, Europe	.....	.....	.....	102	102	10,195	437,866	49,807	497,868	1,943,040	1,993,232	23.1	26.4
East coast of South America	9,838	65	9	3,413	13,325	.....	.....	.....	.....	138,373	67,594	1.6	0.9
Grand totals, 1926	731,904	383,252	74,638	614,333	1,804,127	587,012	752,792	149,181	1,488,995	8,419,651	.....	100.0	.....
Grand totals, 1925	438,147	225,752	79,115	581,694	1,324,708	470,899	641,420	245,839	1,358,158	.....	7,560,170	.....	100.0
Per cent of total cargo, 1926	8.7	4.6	0.9	7.3	21.5	7.0	8.9	1.8	17.7	.....	.....	.....	.....
Per cent of total cargo, 1925	5.8	3.0	1.0	7.7	17.5	6.2	8.5	3.3	18.0	.....	.....	.....	.....

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, During the Calendar Year 1926.

(Figures represent tons of 2,240 pounds.)

From—	North America.									Europe.			
	United States.				East coast of Canada.	West Indies.	East coast of Mexico.	Cristobal, C. Z.[2]	Total, North America.	British Isles.	Belgium.	Denmark	France.
	North Atlantic ports.	South Atlantic ports.	Gulf ports.	Total, United States.									
SOUTH AMERICA:													
Chile	1,844,428	201,147	185,518	2,231,093	23,690	1,968	.....	7,310	2,264,061	204,099	75,024	59	23,287
Colombia	15,667	.....	78	15,745	.....	.....	.....	30,546	46,291	.....	.....	.....	.....
Ecuador	15,110	.....	.....	15,110	3,630	.....	.....	7,818	26,558	394	42	.....	158
Peru	191,518	277,754	3,005	472,277	258,735	104	.....	14,469	745,585	149,931	14,668	.....	7,097
West coast of South America[1]	38,002	.....	898	38,900	.....	22	.....	18,957	57,879	39,796	6,351	.....	534
Totals, South America	2,104,725	478,901	189,499	2,773,125	286,055	2,094	.....	79,100	3,140,374	394,130	96,085	59	31,076
NORTH AMERICA:													
West coast of Canada	518,895	3,788	59,189	581,872	91,997	12,360	6,197	75	692,501	350,473	58,743	4,348	49,035
West coast of Central America	11,294	.....	.....	11,294	.....	1,139	.....	45,059	57,492	2,533	.....	.....	5,899
West coast of United States	7,908,133	33,175	325,779	8,267,087	429,731	57,789	11,340	250,243	9,016,181	1,410,365	94,316	4,763	76,297
Hawaii	5,068	.....	4,103	9,171	.....	.....	.....	.....	9,171	700	.....	.....	.....
West coast of North America[1]	31,911	.....	19,526	51,437	.....	899	899	680	53,897	73,581	62	40	215
Totals, North America	8,475,301	36,963	408,597	8,929,861	521,728	72,169	18,427	296,057	9,829,242	1,837,652	153,151	9,151	131,446
ASIA:													
China	16,045	.....	.....	16,045	.....	10,302	.....	2,141	28,488	.....	.....	.....	.....
Japan	13,213	.....	72	13,285	.....	.....	.....	.....	13,285	40	.....	.....	.....
Philippines	163,252	.....	47,014	210,266	.....	325	.....	.....	210,591	.....	.....	.....	.....
Far East[1]	67,250	.....	.....	67,250	.....	18,651	.....	99	85,991	13,334	.....	.....	.....
Totals, Asia	259,760	.....	47,086	306,846	.....	29,278	.....	2,231	338,355	13,374	.....	.....	.....
AUSTRALASIA:													
Australia	32,571	.....	.....	32,571	5,029	.....	.....	134	37,734	35,036	430	.....	2,628
New Zealand	29,550	.....	.....	29,550	3,328	.....	.....	110	32,988	384,667	.....	.....	.....
Australasia[1]	14,321	.....	.....	14,321	200	.....	.....	.....	14,521	3,518	665	.....	6,700
Totals, Australasia	76,442	.....	.....	76,442	8,557	.....	.....	244	85,243	423,221	1,095	.....	9,328
Grand totals, 1926	10,916,228	515,864	645,182	12,077,274	816,340	103,541	18,427	377,632	13,393,214	2,668,377	250,331	9,210	171,850
Grand totals, 1925	8,990,021	610,175	877,564	10,477,760	438,199	77,642	68,421	232,515	11,294,537	2,397,257	96,490	25,135	202,811
Per cent of total cargo, 1926	56.9	2.7	3.4	63.0	4.2	0.6	0.1	1.9	69.8	14.0	1.3	.....	0.9
Per cent of total cargo, 1925	55.7	3.8	5.4	64.9	2.7	0.5	0.4	1.5	70.0	14.8	0.6	0.2	1.3

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, During the Calendar Year 1926.

(Figures represent tons of 2,240 pounds.)

From—	Europe.							East coast of South America.	Egypt.	South Africa.	Grand totals, 1926.	Grand totals, 1925.	Per cent of total cargo, 1926.	Per cent of total cargo, 1925.
	Germany.	Holland.	Italy.	Norway and Sweden.	Spain and Portugal.	Europe.[1]	Total Europe.							
South America:														
Chile	130,899	15,874	18,990	.....	19,354	420,359	907,945	56	123,526	.....	3,295,588	3,681,821	17.3	22.8
Colombia	.....	.....	.....	.....	.....	.....	.....	582	.....	.....	46,873	59,934	0.2	0.4
Ecuador	1,495	190	2,175	.....	1,096	7,080	12,540	.....	.....	.....	39,098	38,605	0.2	0.2
Peru	14,110	1,606	388	8,527	4	38,852	235,183	.....	.....	.....	980,768	657,599	5.1	4.1
West coast of S. America[2]	6,124	.....	550	.....	1,704	83,991	139,050	.....	.....	.....	196,929	332,965	1.0	2.4
Totals, S. America	152,628	17,670	22,103	8,527	22,158	550,282	1,294,718	638	123,526	.....	4,559,256	4,820,834	23.8	29.9
North America:														
West coast of Canada	7,066	17,109	9,221	28,237	6,121	402,198	932,551	5,080	.....	12,293	1,642,425	1,154,852	8.6	7.2
West coast of Cen. America	7,143	650	50	6,402	2,980	14,517	40,174	.....	.....	.....	97,663	89,390	0.5	0.5
West coast of United States	219,122	39,181	30,937	35,848	115	648,751	2,559,725	82,817	2,033	18,641	11,679,397	8,966,073	60.9	55.6
Hawaii	.....	.....	.....	500	.....	1,376	2,576	.....	.....	.....	11,747	18,579	.....	0.1
West coast of N. America[2]	1,582	180	160	.....	.....	80,279	156,099	.....	2,448	6,138	218,532	230,638	1.2	1.4
Totals, N. America	234,913	57,120	40,368	79,987	9,216	1,147,121	3,691,125	87,897	4,481	37,072	13,649,817	10,459,532	71.2	64.8
Asia:														
China	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28,488	43,025	0.1	0.3
Japan	.....	.....	.....	.....	.....	.....	40	.....	.....	.....	13,325	2,893	.....	.....
Philippines	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	210,591	196,415	1.2	1.2
Far East[1]	.....	.....	.....	.....	.....	.....	13,334	.....	.....	.....	99,325	73,216	0.5	0.4
Totals, Asia	.....	.....	.....	.....	.....	.....	13,374	.....	.....	.....	351,729	315,639	1.8	1.9
Australasia:														
Australia	.....	.....	.....	7,050	.....	6,900	52,044	.....	.....	.....	89,778	75,520	0.4	0.5
New Zealand	63	.....	.....	.....	.....	4,060	388,790	.....	.....	.....	421,778	320,710	2.3	2.0
Australasia[1]	2,000	.....	.....	36,530	.....	30,106	79,519	.....	.....	.....	94,040	148,872	0.5	0.9
Totals, Australasia	2,063	.....	.....	43,580	.....	41,066	520,353	.....	.....	.....	605,596	545,102	3.2	3.4
Grand totals, 1926	389,604	74,790	62,471	123,094	31,374	1,738,469	5,519,570	88,535	128,007	37,072	19,166,398	16,141,107	100.0	100.0
Grand totals, 1925	302,019	47,038	43,971	125,626	45,323	1,335,846	4,621,426	85,360	117,861	21,923	16,141,107	.....	.....	.....
Per cent of total cargo, 1926	2.0	0.4	0.3	0.7	0.2	9.1	28.9	0.5	0.6	0.2	100.0	.....	.....	.....
Per cent of total cargo, 1925	1.9	0.3	0.2	0.8	0.3	8.3	28.7	0.5	0.7	0.1	100.0	.....	.....	.....

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Summary of Passenger Movement at the Canal During 1926.

During the calendar year 1926 the number of passengers disembarking at Canal Zone ports was 39,262 and the number of embarkations during the same period was 37,449. Approximately 56.2 per cent of the arrivals and 55.4 per cent of the departures were carried as first-class, and the remainder either as second, third or steerage.

The following tabulation shows, by months, the number of passengers embarking and disembarking at Canal Zone ports during the calendar year 1926, segregated as between first-class and "others," with comparative totals for calendar years 1925 and 1924:

Month.	Disembarking.			Embarking.		
	First-class.	Others.	Total.	First-class.	Others.	Total.
January	1,960	1,949	3,909	1,317	888	2,205
February	1,988	1,071	3,059	1,513	1,837	3,350
March	1,506	1,030	2,536	1,923	1,186	3,109
April	1,520	1,493	3,013	1,723	1,677	3,400
May	1,855	1,533	3,388	2,014	1,688	3,702
June	1,969	1,379	3,348	1,888	1,321	3,209
July	2,026	1,734	3,760	2,376	1,980	4,356
August	1,742	1,052	2,794	1,917	1,188	3,105
September	2,131	1,821	3,952	1,850	1,550	3,400
October	1,616	1,431	3,047	1,590	924	2,514
November	1,930	1,176	3,106	1,267	1,083	2,350
December	1,833	1,517	3,350	1,369	1,380	2,749
Totals, 1926	22,076	17,186	39,262	20,747	16,702	37,449
Totals, 1925	19,692	14,364	34,056	18,406	12,969	31,375
Totals, 1924	17,874	15,059	32,933	16,742	12,294	29,036

As compared with 1925 the calendar year 1926 shows a 15.3 per cent increase in the total number of arrivals and an increase of 19.3 per cent in the total number of departures.

During the past three calendar years from 85 to 90 per cent of the passenger movement to and from the Canal has been through the port of Cristobal as may be seen from the following tabulation in which the totals are given for the years 1924, 1925, and 1926:

	Port of Cristobal.			Port of Balboa.		
	1926.	1925.	1924.	1926.	1925.	1924.
Passengers disembarking	32,652	28,483	27,471	6,610	5,573	5,462
Passengers embarking	32,134	26,643	26,336	5,315	4,732	2,700

A further segregation of the passenger movement shows that 31,880 incoming and 30,899 outgoing passengers were brought from and destined to ports on the Atlantic, and 7,382 incoming and 6,550 outgoing passengers were bound from and destined to ports on the Pacific.

In addition to the figures shown above of passengers embarking and disembarking, there were 170,894 passengers brought to the Isthmus by vessels calling at Canal Zone ports during 1926. For the calendar year 1925 this number was 159,943. Most of these passengers came ashore for a period of from 24 to 48 hours, but as they departed on the same vessel on which they arrived, they are not taken up in the above tabulation. This group of 170,894 passengers is segregated as follows:

	Calendar year.		
	1926.	1925.	1924.
Remaining aboard vessels transiting the Canal	152,479	143,993	146,764
Remaining on board vessels entering the port of Cristobal but not transiting the Canal	15,814	12,742	10,102
Remaining aboard vessels entering the port of Balboa but not transiting the Canal	2,601	3,208	3,113
Totals	170,894	159,943	159,979

Segregating those remaining aboard vessels transiting the Canal according to direction of transit for the three calendar years we have the following:

	Calendar year.		
	1926.	1925.	1924.
En route from Atlantic to Pacific ports	97,038	89,439	95,281
En route from Pacific to Atlantic ports	55,441	54,554	51,483

The above represents the strictly passenger traffic passing through the Canal and to and from Canal Zone ports. To get the total number of arrivals and departures of individuals at Canal Zone ports during the year, it would be necessary to add the crews of 5,420 commercial vessels and 544 noncommercial vessels which transited the Canal during the year, as well as some 1,049 vessels calling at the ports of Cristobal and Balboa during the year without transiting the Canal. In the aggregate the combined crews would considerably outnumber the passengers, though owing to the fact that many of the vessels made a number of transits or calls at the terminal ports during the year there would be considerable duplication in so far as the number of individuals was concerned in any figures compiled relative to the crews.

Supplement No. 14.—Tariff No. 8.

THE PANAMA CANAL, PANAMA RAILROAD COMPANY,
EXECUTIVE OFFICE, BALBOA HEIGHTS, C. Z., February 28, 1927.

ITEM 21.—COAL.

(Effective March 1, 1927.)

	Cristobal-Colon.	Balboa.
4. For steamships, including warships of all nations, delivered from coaling plants, per ton of 2,240 pounds, except as provided in paragraph 5	$9.00	$12.00
5. For vessels transiting the Canal that are directed by The Panama Canal to take coal at Balboa on account of the condition of the plants, the quantity available, or for the purpose of expediting traffic		9.00
6. For steamships, including warships of all nations, when delivered from lighters in quantities of 50 tons or more, per ton of 2,240 pounds	10.00	13.00
7. For steamships, including warships of all nations, when delivered from lighters in quantities of less than 50 tons, with minimum charge for 20 tons and with maximum charge not to exceed that for 50 tons at prices specified in paragraph 6, per ton of 2,240 pounds	12.00	15.00

M. L. WALKER,
Governor, The Panama Canal,
President, Panama Railroad Company.

Notice to Mariners.—Aids to Navigation.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., February 26, 1927.

1. The Chief of Customs, Buenaventura, Colombia, under date of February 11, 1927, issued circular as below:

"Yesterday a new buoy was placed at this harbor's entrance, latitude 3° 46′ 40″ north; longitude 77° 19′ 08″ west, in 33 feet of water at low tide. Data: White light, characteristics 0.3 seconds light, 2.7 seconds dark, period 3 seconds, it is visible 8 nautical miles in clear weather.

"On the same day the white light on the buoy at latitude 3° 46′ 12″ north; longitude 77° 18′ 22″ west, was changed to red, to indicate danger to the south of the buoy. Visibility of this buoy's light, 5 nautical miles in clear weather.

"Ships entering this harbor should have the red light bear to starboard, white light to port. (Signed) M. J. CHAVARRIAGA, Chief of Customs."

2. This circular varies in a few details from my Notices (on the same locality) No. 227 and No. 232 of January 25 and February 12, 1927.

M. L. WALKER,
Governor.

Supplement No. 15.—Tariff No. 8.

THE PANAMA CANAL, PANAMA RAILROAD COMPANY,
EXECUTIVE OFFICE, BALBOA HEIGHTS, February 28, 1927.

ITEM 4.—PILOTAGE.

(Effective March 1, 1927.)

5. Add the following:

No port pilotage charge will be made against local vessels under 65 feet in length and drawing not over 6 feet of water when such vessels are registered in the Republic of Panama or in the Canal Zone and are plying only between ports of Panama and the Canal Zone, provided such vessels are in charge of an operator who is licensed to operate such vessels in Canal Zone waters.

ITEM 14.—RAT GUARDS.

(Effective March 1, 1927.)

1. Rat Guards.....each $3.50

NOTE.—The loan of rat guards to vessels is hereby discontinued. Purchases may be made at the above price from the Receiving and Forwarding Agent at Cristobal or from the Port Captain at Balboa.

M. L. WALKER,
Governor, The Panama Canal,
President, Panama Railroad Company.

Furniture Purchased in Haitian Ports to be Handled as Freight.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., February 25, 1927.

To all concerned—1. The Panama Railroad Steamship Line has issued an order that articles of furniture purchased by passengers in Haitian ports may no longer be classed as baggage. It will be necessary in future for such shipments to be handled as freight, after the furniture has been properly packed and crated for ocean shipment and the regular shipping documents secured. Employees will be allowed the usual reduced rate for shipments of household goods and other personal effects.

2. This order was issued by the Railroad authorities following the occurrence of numerous instances of uncrated furniture handled as baggage arriving at destination in a damaged condition.

C. A. MCILVAINE,
Executive Secretary.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending February 28, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Cristobal	Panama Railroad S. S. Line		February 20		447
Lochkatrine	Pacific Steam Navigation Co		February 20		317
Parismina	United Fruit Co	February 20	February 20	492	167
Lochgoil	Pacific Steam Navigation Co	February 20	February 21	(1)	309
Floreana	Colombian Lloyds		February 21		600
Arizona	French Line	February 20	February 21	11	113
Camden	United Fruit Co	February 20	February 22	9,075	(2)
Cauca	National Navigation Co	February 20	February 24	272	353
Losada	Pacific Steam Navigation Co	February 21	February 22	76	107
Legazpi	Spanish Line	February 21	February 22	156	302
Buenos Aires	Spanish Line	February 21	February 23	158	299
Oranje Nassau	Royal Netherlands W. I. Mail	February 22	February 23	(3)	(2)
Texas	French Line	February 22	February 24	103	152
La Touche	Panama Mail S. S. Co	February 22	February 26	1,019	(2)
Parismina	United Fruit Co	February 23	February 23	1	531
Santa Marta	United Fruit Co	February 23	February 24	574	62
Atenas	United Fruit Co	February 23	February 24	1,404	551
Itauri	Kosmos Line	February 23	February 24	293	57
Anatolia	Roland Line	February 23	February 24	30	227
Kiel	Kosmos Line	February 23	February 24	145	51
Meltonian	Leyland Line	February 23	February 24	560	(4)
Alvarado	Pacific Steam Navigation Co	February 23	February 25	127	906
Ingram	Roland Line	February 23	February 25	(1)	1,235
Salvador	Pacific Steam Navigation Co	February 23	February 27	1,067	1,120
Granada	Standard Fruit S. S. Co	February 23	February 24	140	5
La Perla	United Fruit Co	February 24	February 24	85	4
Macoris	French Line	February 24	February 26	444	1,139
Haarlem	Royal Netherlands W. I. Mail	February 24	February 24	165	½
Teno	Chilean Line	February 24	February 24	(5)	5
Bienvenido	Welcome Line	February 24	February 24	135	(2)
Tamaha	Standard Transportation Co	February 25	February 28	9,233	(2)
Oroya	Pacific Steam Navigation Co	February 25	February 26	106	20
Heluan	Kosmos Line	February 25	February 26	144	254
Hamelin	Roland Line	February 25	February 27	587	355
Esparta	United Fruit Co	February 26	February 26	50	1,173
U. D. Vinton	R. Feuillebois	February 26	February 26	(1)	25
Granada	Standard Fruit S. S. Co	February 26	February 26	2½	459
Oranje Nassau	Royal Netherlands W. I. Mail	February 26	February 27	2	408
Canadian Cruiser	Canadian Gov. Mer. Marine	February 26	February 27	150	(2)
Rugia	Hamburg-American Line	February 26	February 27	274	93
Heredia	United Fruit Co	February 27	February 27	501	123
Santa Tecla	N. O. & S. A. S. S. Line	February 27	February 28	345	96
Panama	Danish East Asiatic Line	February 27	February 28	286	448
Bologna	Italian Line	February 27		20	
Iowa	French Line	February 28		140	
Alexandria	Hamburg-American Line	February 28		37	
Tirso	Italian Line	February 28		470	

[1] No cargo discharged. [2] No cargo laded. [3] 4 cases. [4] 1 Case. [5] 108 pounds.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Two Weeks Ending February 28, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Satanta	Standard Transportation Co	February 14	February 16	6,410	
Rosana	A. Fait & Co	February 15	February 17	209	
Venezuela	Panama Mail S. S. Co	February 15	February 16	122	
W. S. Miller	Standard Oil Co	February 15	February 17	10,920	
Hampton Roads	Oil Transport Co	February 16	February 17	11,260	
City of San Francisco	Panama Mail S. S. Co	February 16	February 16		9
Nora	Grace Line	February 17	February 18	13,500	
Rotorua	N. Z. Shipping Co	February 17	February 18	10	
Amsterdam	Royal Netherlands W. I. Mail	February 18	February 18	245	
Chateau Thierry	U. S. Government	February 18	February 19	640	238
Palm Branch	Nautilus Steam Shipping Co	February 19	February 19	1	
Floreana	F. Christensen	February 21	February 23		103
Santa Louisa	Grace Line	February 24	February 24		1
Cauca	National Navigation Co	February 24	February 24		10
President Polk	Dollar Line	February 25	February 25		21
Mojave	Standard Transportation Co	February 27	February 28	9,930	
Santa Tecla	N. O. & S. A. S. S. Line	February 27	February 27	288	
Salvador	Pacific Steam Navigation Co	February 27	February 27		11
Santa Ana	Grace Line	February 28	February 28		1
Panama	East Asiatic Co	February 28	February 28	236	

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity 72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to origina point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage in such cases, as provided in Paragraph 4, Item 3, of the tariff, and for handling lines in accordance with Item 4, of the tariff.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, bunker ships at the rate of from 100 to 500 tons an hour, practically as fast as the nature of the vessel will allow. Oil can be delivered from 30 tanks aggregating approximately 1,500,000 barrels of storage capacity, as fast as the ships can take it. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A salvage service operated by the Canal is available for prompt assistance to vessels within a radius of a thousand miles of the Canal, or farther if required. Seagoing tugs or a wrecking tug with requisite equipment are dispatched on short notice.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective, in the course of handling large traffic through the Canal in nearly 10 years of operation

Binders for The Panama Canal Record.

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

MOVEMENTS OF OCEAN VESSELS.—Continued from page 399.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
February 25	Granada	Standard Fruit S. S. Co	San Blas Coast, R. P.	February 25	Tolon	United Fruit Co.	New York via wayports.
February 26	Rugia	Hamburg-American Line	Hamburg, Germany.	February 26	U. D. Vinton [26]	G. I. Bryan	Bluefields, Nicaragua.
February 26	Esparta	United Fruit Co.	Cartagena, Colombia.	February 26	Granada	Standard Fruit S. S. Co.	New Orleans, La.
February 26	Oranje Nassau	Royal Netherlands W. I. Mail.	Port Limon, Costa Rica.	February 26	Macoris	French Line	Havre via wayports.
February 26	U. D. Vinton [26]	G. I. Bryan	Colon, R. P.	February 26	La Fayette	French Line	New York via Kingston.
February 26	Flor de Panama [27]	A. Tagaropulos	Colon, R. P.	February 26	Flor de Panama [27]	A. Tagaropulos	Colon, R. P.
February 26	Alliancia [26]	A. Tagaropulos	Colon, R. P.	February 26	Alliancia [26]	A. Tagaropulos	Colon, R. P.

[26] Schooner. [27] Motor schooner.

PORT OF BALBOA.

February 21	La Nina [27]	Sinclair Oil Co.	Panama Bay, R. P.	February 21	La Nina [27]	Sinclair Oil Co.	Panama Bay, R. P.
February 21	Cricamola [28]	United Fruit Co	Panama Bay, R. P.	February 22	Dos Hermanos [27]	A. Valdez	Panama Bay, R. P.
February 22	Dos Hermanos [27]	A. Valdez	Panama Bay, R. P.	February 22	Agnes E [27]	Pacific Fruit Co.	Panama Bay, R. P.
February 22	Agnes E [27]	Pacific Fruit Co.	Panama Bay, R. P.	February 22	Nueva Alien [27]	Sinclair Oil Co.	Panama Bay, R. P.
February 23	Nueva Alien [27]	Sinclair Oil Co.	Panama Bay, R. P.	February 26	Olga [28]	Baron Erland Nordenskjold	Panama Bay, R. P.
February 21	Olga [28]	Baron Erland Nordenskjold	Pearl Island, R. P.				

[28] Yacht.

* Other than ships passing through the Canal.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., March 9, 1927. No. 31.

Tanker Traffic Through the Panama Canal in February, 1927.

During the month of February, 1927, 104 tank ships transited the Canal, with an aggregate net tonnage, Panama Canal measurement, of 615,505, on which tolls of $520,542.06 were collected. In point of net tonnage, tanker traffic for the past month showed an increase of approximately 22.8 per cent over the same traffic for the corresponding month a year ago, while cargo tonnage showed an increase of 4.7 per cent over the same cargo tonnage of February, 1926.

Tank ships comprised 23.1 per cent of the total commercial transits of the Canal during the month; made up approximately 28 per cent of the total Panama Canal net tonnage; were the source of 26 per cent of the tolls collected; and carried approximately 21.2 per cent of the total cargo in transit through the Canal. The number, aggregate tonnage, tolls, and cargo of tank ships transiting the Canal during the month of February, 1927, segregated by direction of transit and nationality of vessels, are shown in the following tabulations, with comparative totals for the two preceding months and for February, 1926:

Nationality.	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
Belgian	1	6,362	$4,709.25	.....
British	15	82,907	59,884.98	.....
Norwegian	3	15,395	11,084.40	.....
United States	41	255,069	184,369.68	.....
Totals, February, 1927	60	359,733	260,048.31	.....
Totals, January, 1927	53	304,898	221,922.55	13,779
Totals, December, 1926	52	286,916	209,670.89	14,391
Totals, February, 1926	43	259,454	189,109.90	9,020
Pacific to Atlantic.				
Belgian	1	4,976	5,710.00	9,462
British	8	39,374	42,303.75	71,592
Danzig	1	5,927	6,508.75	11,742
Norwegian	1	5,331	5,820.00	9,451
United States	33	200,164	200,151.25	372,156
Totals, February, 1927	44	255,772	260,493.75	474,403
Totals, January, 1927	50	289,045	288,519.46	532,381
Totals, December, 1926	51	300,457	306,361.75	576,777
Totals, February, 1926	42	241,433	242,935.95	444,227

Of the total tanker traffic shown above, the following is a summary of the vessels giving Los Angeles as their port of origin or destination,

(Continued on page 415.)

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, March 5, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net
Natica [1]	26	14 03	27	1 25	27	15 52	27	21 47	British	Anglo-Saxon Pet. Co.	406 5	51 0	19.6	Grainton, England.	Los Angeles, Calif	Ballast		5,938	4,219
Trafalgar	26	21 00	27	2 45	27	17 46	27	18 48	British	Wessel, Duval & Co.	385.0	52 0	17 0	Norfolk, Va.	Iquique, Chile.	Ballast		5,174	3,657
Salvador	23	19 50	27	2 40	27	18 45	27	21 47	British	Pacific Steam Nav. Co.	215.0	33 5	17 0	Cristobal, C. Z	Champerico, Guat	General	1,116	1,270	735
Julia Luckenbach	26	21 40	27	4 10	27	16 59	27	18 05	American	Luckenbach Line	436 6	57 0	28.0	New Orleans, La	Seattle, Wash	General	7,927	8,543	6,402
Myrtlebank.	27	00 25	27	6 55	27	17 41	27	18 41	British	Bank Line, Ltd	420 0	53.0	24.6	Palo Alto, Cuba	Hongkong, China.	Sugar	7,420	7,091	4,991
Atlantic	27	7 50	27	8 15	27	19 36	28	1 16	American	Argonaut S. S. Co	410 5	54 3	24 0	New York, N. Y.	San Francisco, Cal.	General, steel	7,165	6,567	4,917
Finland	27	7 40	27	8 35	27	16 59	28	1 16	American	Panama-Pacific Line	460 0	69 2	23.5	New York, N. Y.	San Francisco, Cal.	General	3,057	13,559	9,016
Argon [1]	27	10 40	27	10 50	27	20 26	28	1.32	American	Standard Transp. Co.	435.0	56 0	23 6	New York, N. Y.	Los Angeles, Calif	Ballast		7,386	5,183
Swan [2]			27	6.55	27	15 54			American	U. S. Navy	180 0	35 6		Cristobal, C. Z	Balboa, C. Z				
Capt. Harry Smith [3]			27		27	9 10			American	U. S. Army				Cristobal, C. Z	Gatun, C. Z				
Panama [4]	27	9 59	27	21 25	28	9 20	28	17 50	Danish	East Asiatic Co.	410 0	55 0	22.6	Antwerp, Belgium	Vancouver, B. C.	General	5,837	7,027	5,341
Craster Hall	27	11 05	27	22 30	28	10 32	28	11 49	American	Isthmian S. S. Lines	380 0	50 0	24 6	New York, N. Y.	San Antonio, Chile.	General	6,058	4,945	3,508
D. G. Scofield [5]	27	19 35	27	23 55	28	13 02	28	19 30	American	Standard Oil Co	439 5	58.0	20 0	Baltimore, Md	Los Angeles, Calif	Ballast		8,698	5,935
Pacific Commerce [6]	27	18 40	28	1 45	28	13 58	28	20 00	British	Furness, Withy & Co.	420.0	54 0	20 9	Manchester, Eng	Vancouver, B. C.	General	1,400	6,996	5,306
Editor	27	23 10	28	3 00	28	14 17	6	8 32	American.	American-Pioneer Co.	402 6	54 8	17 6	New Orleans, La	Shanghai, China	Cotton, general.	4,058	6,934	5,102
Lebore	27	2 40	28	4 15	28	15 06	28	16 30	American	Ore S. S. Corp	549 0	72 0	23 10	Norfolk, Va.	Cruz Grande, Chile	Ballast		14,325	4,635
Ningchow.	27	20 30	28	5 35	28	15 32	28	16 55	British	Blue Funnel Line	480 6	58 3	22 6	New York, N. Y.	Shanghai, China.	(7)	2,910	9,468	6,709
Waziristan.	28	6 10	28	6 45	28	16 20	28	17 50	British	Hindustan S. S. Co	390 0	53 5	15 0	Norfolk, Va.	Iquique, Chile.	Ballast		5,612	4,119
Baldbutte [1]	28	6 50	28	7 30	28	17 10	4	12 25	American	McAllister Brothers.	416.9	56 2	21 0	New York, N. Y.	Los Angeles, Calif	Ballast		6,706	4,693
Tamaha	26	21 00	28	8 31	28	16 49	28	17 50	British	Standard Transp. Co.	520.5	54 4	16 0	Cristobal, C. Z	Los Angeles, Calif	Ballast		6,673	4,689
City of Kimberly	27	17 00	28	9 35	28	17 42	28	19 05	British	Ellerman & Bucknall.	416 1	56 0	25 9	New York, N. Y.	Bluff, N. Z	General	5,600	7,987	6,093
Tsuyama Maru	28	8 15	28	10 35	28	18 30	28	22 53	Japanese.	Nippon Yusen Kaisha.	445 0	58 0	25.0	New York, N. Y	Yokohama, Japan.	General	7,865	7,956	5,681
Port Lincoln	28	10 05	28	11 20	28	19 25	28	22 55	British	Com'lth & Dom. Line	426 0	53 9	24 0	New York, N. Y.	Adelaide, Australia	General	4,353	7,544	5,256
Sucarseco	27	17 30	1	6 30	1	15 19	1	16 30	American	Transmarine Lines	324 0	46.2	22 0	New Orleans, La	Seattle, Wash	General	3,269	3,984	2,628
Teespool	28	16 55	1	6 25	1	14 34	1	16 00	British	Sir. R. Ropner	351 0	53 0	15 0	New York, N. Y.	San Francisco, Cal.	Ballast		4,866	3,315
Cubore [1]	28	9 55	1	6 20	1	14 26	1	20 50	American	Ore S. S. Corp	450 7	57 0	15 6	Norfolk, Va	Cruz Grande, Chile.	Ballast		7,956	4,866
Iowa	28	14 35	1	7 20	1	16 15	1	17 05	French	French Line	448 9	53 0	19 0	Havre, France.	Valparaiso, Chile	General	1,102	7,469	5,020
Edwin Christensen	28	15 15	1	7 50	1	16 39	1	17 50	American	Sudden & Christensen.	410.0	51 0	20 3	Baltimore, Md	Seattle, Wash	General	4,744	6,603	4,932
Middlesex	28	16 00	1	8 55	1	17.05	2	2 38	British	Federal Steam Nav. Co.	460 5	62 6	27 2	Liverpool, England	Auckland, N. Z.	General	8,759	10,663	7,689
Texan	28	17 55	1	8 55	1	17 22	1	18 30	American	Amer.-Hawaiian Line	471 0	57 2	22 4	Boston, Mass	Portland, Oreg	General	4,917	9,154	6,903
J. M. Danziger [1]	1	00 15	1	9 58	1	17 43	1	18 45	American.	Huasteca Petroleum Co	430 0	58 0	18 0	New York, N. Y.	Los Angeles, Calif	Ballast		6,963	4,886
Acme [1]	1	1 15	1	10 20	1	18 35	1	23 31	American	Standard Transp. Co.	435 0	56 0	20 10	New York, N. Y.	Los Angeles, Calif	Ballast		7,165	4,926
Simonburn.	1	8 52	1	11 10	1	19 33	1	20 50	British	Common Brothers	390.0	53 5	16 0	Glasgow, England	Vancouver, B. C.	Ballast		5,625	4,158
Tirso	28	15 25	1	12 05	1	20 35	1	21 30	Italian	Navigazione Generale Italiana.	400 3	52 3	20 6	Genoa, Italy	Valparaiso, Chile	General	1,673	5,870	4,188

[1] Tanker [2] Mine sweeper. [3] Launch. [4] Motor ship. [5] Automobile parts, tobacco, oil, and general.

J-12 [3]			1		1	10.11			American	U. S. Army				Cristobal, C. Z	Gatun, C. Z.						
Ani	1	23.10	2	6.55	2	14.09	2	15.36	Belgian	Soc. Int. Comm. et Armement.	400.5	52.1	17.0	Rotterdam, Holland	Antofagasta, Chile.	Ballast			6,617	4,792
West Honaker.	2	9.05	2	9.50	3	10.28	7	18.40	American	Atl.-Aust.-India Line.	410.0	54.4	20.0	New York, N. Y.	Fremantle, Aust.	General		2,357	6,736	4,881
Hyreania [1]	2	8.15	2	11.15	2	17.55	2	19.32	French	Anglo-Saxon Pet. Co	387.0	50.7	20.0	Rouen, France	Los Angeles, Calif.	Ballast			5,329	3,795
Baron Ardrossan	2	11.10	2	13.00	2	21.12	2	22.45	British	Hogarth & Sons	380.0	49.5	24.8	Manati, Cuba	Auckland, N. Z.	Sugar		6,300	4,834	3,540
Dos Hermanos [6]	1	22.30	2	12.50	2	21.05			Panaman	R. Neuman	35.0	12.0	5.0	Cristobal, C. Z	Balboa, C. Z	Ballast			17	13
Scania [1]	1	17.48	3	6.15	3	14.00	3	20.28	Swedish	Amelin Brothers, Ltd	180.7	29.0	10.8	Cristobal, C. Z	Buenaventura, Col.	Ballast			720	421
Robin Hood	2	17.08	3	6.05	3	13.33	3	14.50	American	Isthmian S. S. Lines	424.0	55.0	23.3	New York, N. Y.	Vancouver, B. C.	General		9,214	7,473	5,533
Canadian Importer	3	1.35	3	9.30	3	17.11	3	18.14	British	Can. Gov. Mer. Marine	400.5	52.4	23.8	Antwerp, Belgium	Vancouver, B. C.	General		6,404	5,891	4,186
Paul Luckenbach	3	6.00	3	9.54	3	16.46	3	17.45	American	Luckenbach Line	471.1	59.2	24.9	Boston, Mass	Seattle, Wash.	General		8,000	9,027	6,539
City of Newcastle	3	8.20	3	11.40	3	21.20	3	22.24	British	Ellerman Line	456.5	56.4	26.7	Norfolk, Va.	Sydney, Australia.	General		6,120	8,319	6,288
Mystic	3	11.35	3	11.55	3	18.50	3	20.28	American	Munson S. S. Line	400.7	54.2	21.6	New York, N. Y.	Los Angeles, Calif.	General		5,060	6,623	4,625
J-10 [3]			3		3	8.15			American	U. S. Army				Cristobal, C. Z	Gatun, C. Z	Ballast				
Atlas [1]	3	16.33	4	2.25	4	15.31	4	19.50	American	Standard Transp. Co.	430.0	58.2	20.0	Philadelphia, Pa.	San Francisco, Cal.	Ballast			7,439	5,209
Montrolite [1]	3	16.45	4	3.35	4	17.07	4	18.10	British	Imperial Oil Co., Ltd	510.9	68.3	21.0	Halifax, N. S.	Los Angeles, Calif.	Ballast			11,555	7,678
Commercial Traveler	4	00.55	4	5.20	4	17.48	4	23.25	American	Moore & McCormick	380.3	53.1	23.6	Texas City, Texas	Los Angeles, Calif.	Sulphur		7,200	5,657	4,247
Henderson [7]	3	22.25	4	6.45	4	16.36	4	18.35	American	U. S. Navy	483.0	61.0	23.3	Philadelphia, Pa.	Corinto, Nicaragua	Navy cargo		747		
Norfolk	4	9.45	4	10.00	4	18.35	5	8.18	British	Federal Steam Nav. Co.	520.0	64.2	26.3	New York, N. Y.	Adelaide, Australia.	General		6,904	12,963	9,337
Albertolite [1]	4	9.55	4	10.20	4	18.38	4	19.50	British	Imperial Oil Co., Ltd	463.0	60.0	22.6	New York, N. Y.	Talara, Peru	Ballast			8,491	5,879
Essequibo	4	00.05	4	11.40	4	19.32	4	20.25	British	Pacific Steam Nav. Co.	450.0	57.0	25.10	New York, N. Y.	Talcahuano, Chile	General		3,232	9,158	6,176
Emden	3	7.15	4	12.15	4	19.56	4	21.50	German	Hamburg-American Line	389.0	52.0	25.8	Hamburg, Germany	San Antonio, Chile.	General		5,540	5,994	4,057
Bogota	4	2.00	4	13.10	4	20.35	4	21.50	British	Pacific Steam Nav. Co	400.0	52.5	21.1	Glasgow, England	Corral, Chile	General		4,177	5,733	4,015
Steelore	4	6.55	5	5.05	5	16.04	5	17.20	American	Ore S. S. Corp.	550.3	72.2	22.6	Norfolk, Va.	Cruz Grande, Chile.	Ballast			15,551	4,297
Fordefjord [1]	4	12.50	5	6.30	5	16.50	5	18.15	Norwegian	Canadian Transp. Co.	378.0	50.0	18.9	Houston, Texas	Shanghai, China	Cotton		3,400	5,872	4,112
Marsodak	4	20.15	5	6.45	5	17.47	5	22.15	American	Amer.-Hawaiian Line	324.0	46.2	19.0	Charleston, S. C.	Seattle, Wash.	General		3,089	3,984	2,628
Belvernon	4	11.15	5	7.00	5	17.49	5	19.04	Panaman	Linea Mercante de Col.	227.4	31.7	14.6	New York, N. Y.	Buenaventura, Col.	General		885	1,114	663
Bennekom	4	8.50	5	8.45	5	18.14	5	20.04	Dutch	Royal Neth. W. I. Mail	449.7	58.2	21.3	Hamburg, Germany	Corral, Chile	General		4,618	7,849	5,806
Indian City	5	00.15	5	9.35	5	18.15	5	20.04	British	Sir W. R. Smith & Sons.	412.0	54.5	13.0	Lisbon, Portugal.	Vancouver, B. C.	Ballast			6,512	4,665
Ferndale [1]	5	7.40	5	10.15	5	19.25	5	20.35	Norwegian	Fern Line	382.7	53.4	23.4	Galveston, Texas	Moji, Japan	Cotton, rails		6,100	6,082	4,222
El Grillo [1]	5	8.25	5	11.15	5	19.54	5	23.01	British	C. T. Bowring & Co.	440.0	57.6	21.0	New York, N. Y.	La Libertad, Sal'or	Ballast			7,468	5,042
J-10 [3]			5		5	9.01			American	U. S. Army				Cristobal, C. Z	Gatun, C. Z					

[1] Tanker. [6] Motor schooner. [7] Transport.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Sunbeam [1]	26	15.07	27	6.17	27	14.43	27	14.43	American	Sun Oil Co	429.3	59.2	26.0	Los Angeles, Calif.	Jacksonville, Fla.	Gasoline		9,594	7,709	5,481
Bologna	26	15.35	27	7.11	27	15.42	1	10.45	Italian	Navigazione Generale Italiana.	384.91	46.71	21.02	Valparaiso, Chile	Genoa, Italy	Copper, saltpetre		2,308½	5,531	3,774
Halo [1]	26	14.18	27	8.10	27	17.05	27	17.05	American	Cities Service Trans. Co.	435.0	56.0	29.6	Los Angeles, Calif.	Philadelphia, Pa.	Fuel oil		10,500	7,434	5,145
Swiftscout [1]	26	20.00	27	8.47	27	18.45	27	18.45	American	C. D. Mallory & Co.	464.65	60.2	27.0	Los Angeles, Calif.	Fall River, Mass.	Crude oil		10,200	8,473	6,104
Trojanstar	26	15.20	27	9.19	27	17.40	27	17.40	British	Blue Star Line	473.8	60.0	29.6	Vancouver, B. C.	Glasgow, Scotland	Cold storage, gen		7,556	10,405	7,401
Knute Nelson [1]	26	17.25	27	9.52	27	19.35	28	00.05	Norwegian	Her Petter Olsen	435.9	56.2	29.0	Vancouver, B. C.	Oslo, Norway	General		8,973	8,016	5,854
Leme [1]	26	9.00	27	10.16	27	20.20	28	00.02	Italian	Nav. Libera-Triestina	450.0	57.0	28.1	Vancouver, B. C.	Trieste, Italy	Wheat, general		8,127	8,804	6,455
Charles G. Black [1]	26	19.45	27	10.37	28	16.25	28	16.25	American	Standard Oil Co. of N. J.	550.6	72.2	32.10	Los Angeles, Calif.	Baltimore, Md.	Oil		18,420	15,418	10,613

[1] Tanker.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Santa Teela.	27	6 30	27	14 11	27	21 20	28	13 46	American	Grace Line	298.6	40 0	18 9	Iquique, Chile.	New Orleans, La.	General	3,403	2,832	1,803
Emidio [1]	27	14 45	28	6 18	28	17.15	28	17 15	American	Gen. Pet. Corp. of Calif.	435 0	56 2	27.0	Los Angeles, Calif	Baltimore, Md	Gasoline	8,848	7,433	5,058
S. C. T. Dodd [1]	27	10 2	28	7 12	28	18 10	28	18 10	American.	Standard Oil Co. of Calif.	425.0	57.0	29 0	San Francisco, Cal.	New York, N. Y.	Fuel oil	10,000	7,481	4,975
Santa Ana	28	4 20	28	8 14	28	15 32	28	18 00	American	Grace Line	360 2	51 6	26 7	Talcahuano, Chile	New York, N. Y.	General	4,043	5,576	4,081
Alexandria.	27	15 30	28	9 12	28	19 12	1	7 00	German	Kosmos Line	237 73	35 09	18 3	San Jose, Guate'ala	Hamburg, Germany	(11)	1,806	1,631	1,076
Agwimoon [1]	27	17 45	28	10 04	28	19 45	28	19 45	American.	Inter. Shipping Corp	429 3	59 2	27 1	San Francisco, Cal.	Baltimore, Md	Crude oil	11,900	7,695	5,402
William Perkins	28	00 30	28	11 25	28	20 30	28	20 30	American	Garland S. S. Corp	409.8	54 2	26 3	Aberdeen, Wash	New York, N. Y.	Lumber	4,979¾	6,757	4,919
Delphinula [1]	28	13 30	28	14 17	28	21.45	1	11 10	British	Anglo-Saxon Pet. Co.	385.0	50 5	20 0	Nuku Hiva Island, Marquesas Is.	Trinidad, B. W. I.	Fuel oil	3,341	5,104	3,521
Anna Luisa [8]	28		28		28				Panaman	Luis Durati				Balboa, C. Z	Gatun Lake, C. Z.				
J. W. Van Dyke [1] [9]	28	19 10	1	6 16	1	17 18	1	17 18	American	Atlantic Refining Co	364.9	51.0	25 4	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	6,751	5,174	3,528
Tekoa	28	8 10	1	7 15	1	15 05	1	15 05	British	N. Z. Shipping Co	460.6	62 8	25 10	Auckland, N. Z.	London, England	Frozen, general.	6,876	10,570	7,521
Scania [9]	28	16 25	1	8 09	1	17 48	3	6 15	Swedish	Colombian Transp. Co	180 7	29.0	11 7	Buenaventura, Col.	Cristobal, C. Z	General	701	720	421
James McGee [1]	28	23 30	1	9 53	1	19 00	1	19 00	American	Standard Oil Co. of N.J.	499.1	68.2	30.0	Talara, Peru	Charleston, S. C.	Crude oil	11,000	10,964	7,909
Grootendijk.	1	13 00	1	13 56	1	21.33	1	22 15	Dutch.	Holland-American Line.	450.0	58.0	29.7	Vancouver, B. C.	Antwerp, Belgium	Grain, general.	9,355	8,730	5,860
Dos Hermanos [10]	1	13 00	1	13.56	1	22 30	2	12 50	Panaman	Isth. Land & Fruit Co.	35.0	12.0	5 0	El Real, R. P.	Cristobal, C. Z.	Bananas		17	13
Mongolia	1	12 00	2	6 25	2	13 15	2	14 26	American	Panama-Pacific Line	600.0	65.3	31.0	San Francisco, Cal.	New York, N. Y.	Canned fruit, fish	7,360	17,041	11,426
San Manuel [1]	1	12 50	2	7.13	2	14 47	2	14 47	British	Anglo-Saxon Pet. Co.	407.2	52.3	25.6	Martinez, Calif.	Lizard End, Eng. [1]	Gasoline	7,325	6,183	4,343
Edward Luckenbach	1	14 33	2	8 26	2	15 20	2	15 20	American	Luckenbach Line	436 6	57.25	32 6	Portland, Oreg.	Boston, Mass	General	9,567	8,543	6,427
Havana Maru	1	15 55	2	9 10	2	16.35	2	16 35	Japanese	Osaka Shosen Kaisha.	407 25	50.83	19.0	Keelung, Formosa	New York, N. Y.	General	4,356	6,538	4,769
Witraun	2	5 45	2	9 56	2	18 20	3	3.25	German	Roland Line	449.2	58.2	25.6	Seattle, Wash	Hamburg, Germany	General	7,601	7,820	5,661
Canada [9]	2	6 40	2	11 26	2	18 28	2	19 20	Swedish	Axel Johnson	426.9	56.2	26.0	San Francisco, Cal.	Stockholm, Sweden.	General	7,146	7,476	5,456
Canadian Seigneur.	2	11 30	2	12.26	2	19 45	2	20.40	British	Can. Gov. Mer. Marine	400.6	52.35	24.9	Vancouver, B. C.	London, England	Wheat, general	6,740	5,983	4,135
K. R. Kingsbury [1]	2	12 00	2	12 45	2	21 15	2	21.15	American.	Standard Oil Co. of Calif.	440.0	58.0	30 2	Los Angeles, Calif.	New York, N. Y.	Fuel oil	11,200	9,033	5,938
Ampetco [1]	2	16 50	3	6.21	3	14 13	3	14 14	Belgian	Amer. Petroleum Co	481.5	60.0	27.0	Los Angeles, Calif.	United Kingdom.	Gasoline	10,416	8,583	6,362
Corinthic	2	14 02	3	7.14	3	15 25	3	19 40	British	Shaw, Savill & Albion.	500.3	63.3	25 0	Auckland, N. Z.	London, England.	(13)	4,358	12,821	9,507
Reginolite [1] [9]	2	15 45	3	8.16	3	17 15	3	17.15	British	Imperial Oil Co, Ltd.	469.2	63 3	28.8	Talara, Peru	Halifax, N. S.	Crude oil	12,400	9,237	6,304
Jamaica	2	17 50	3	8 47	3	18 25			British	Pacific Steam Nav. Co	220 0	34.0	13.10	Champerico, Guat	Cristobal, C. Z	General	931	1,187	622
Suremico	2	18 20	3	8 58	3	18 20	3	18 20	American	Transmarine Lines.	324.0	46 2	23.0	Aberdeen, Wash	New York, N. Y.	Lumber	4,000	3,984	2,628
Clauseus	2	18 11	3	9 27	3	18.55	3	18 55	American	Isthmian S. S. Lines	405 8	54.2	24 0	Port Alberni, B. C.	Providence, R. I.	Lumber	6,000	6,581	4,795
West Mingo.	3	00 50	3	9 45	3	20 00	4	17 00	American	Calif. & East'n S.S. Co	410.0	54.4	25.6	Portland, Oreg.	Liverpool, England	Wheat, lumber	10,092	6,476	4,682
Port Bowen.	3	10 00	3	10 45	3	21.15	4	2 00	British	Com'lth & Dom. Line	480.7	62.4	26 6	Dunedin, N. Z.	London, England	General	7,073	10,745	7,849
William Green [1]	3	13.10	3	13 49	3	21 50	3	22.20	American	Pan-Amer. Pet. & Tr. Co.	430.0	58.2	26.08	Los Angeles, Calif.	Boston, Mass	Fuel oil	10,169	6,973	4,670
Josette [8]			3		3				American	W. A. Sprague				Balboa, C. Z	Gatun Lake, C. Z.				

[1] Tanker. [8] Launch. [9] Motor ship. [10] Motor schooner. [11] Coffee, sugar, and hides. [12] For orders. [13] Refrigerated and general.

Somme [14]	2	22.45	4	6.25	4	17.33	4	17.33	American	U. S. Army	448.0	58.0	24.3	San Francisco, Cal.	New York, N. Y.	General	205			
Swan [20]			4	6.31	4	17.37			American	U. S. Navy	187.6	35.6		Balboa, C. Z.	Cristobal, C. Z.					
Dunedin [15]	3	8.00	4	6.44	4	18.23	4	18.23	British	British Government	445.0	46.0	15.6	Auckland, N. Z.	Chatham, England					
No. 300 [16]	3		4	6.51	4	19.35			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 313 [16]	3		4	6.51	4	19.35			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 299 [16]	3		4	7.03	4	19.35			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 308 [16]	3		4	7.03	4	19.35			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
Ramapo [1]	3		4	7.45	4	20.25			American	U. S. Navy	463.0	60.0		San Diego, Calif.	Gauntanamo, Cuba	Fuel oil	10,798			
No. 341 [16]	3		4	7.58	4	22.00			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 275 [16]	3		4	7.58	4	22.00			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 298 [16]	3		4	8.07	4	22.00			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 301 [16]	3		4	8.07	4	22.00			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
Melville [17]	3		4	8.35	4	22.25			American	U. S. Navy	400.0	54.5		San Diego, Calif.	Guantanamo, Cuba					
No. 277 [16]	3		4	9.00	5	00.39			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 276 [16]	3		4	9.00	5	00.39			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 262 [16]	3		4	9.25	5	00.39			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 278 [16]	3		4	9.25	5	00.39			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
Medusa [18]	3		4	9.45	5	1.05			American	U. S. Navy	460.0	70.0		San Diego, Calif.	Guantanamo, Cuba					
No. 58	3		4	9.55	5	1.05			American	U. S. Navy	200.0	25.6		San Diego, Calif.	Guantanamo, Cuba					
No. 306 [16]	3		4	10.05	5	3.00			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 303 [16]	3		4	10.05	5	3.00			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 35	3		4	10.38	5	3.00			American	U. S. Navy	200.0	25.6		San Diego, Calif.	Guantanamo, Cuba					
No. 304 [16]	3		4	10.38	5	3.00			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
West Katan	7	13.30	4	11.13	5	7.50	6	6.15	American	Calif. & East'n S.S. Co.	410.5	54.3	26.0	Portland, Oreg.	Liverpool, England	General	7,438	6,573	4,916	
Montanan	4	8.30	4	11.28	5	5.05	5	5.05	American	Amer.-Hawaiian Line	404.6	53.9	26.0	Portland, Oreg.	Boston, Mass.	General	5,948	6,753	4,775	
No. 334 [16]	3		4	12.57	5	4.55			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 335 [16]	3		4	12.57	5	4.55			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
William Rockefeller [1]	5	00.10	5	6.13	5	16.10	5	16.10	American	Standard Oil Co.of N.J.	554.9	75.3	32.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	20,608	14,785	10,313	
Jane Christensen	4	18.26	5	7.01	5	16.50	5	16.55	American	Christensen S. S. Co.	409.5	54.2	24.3	Aberdeen, Wash.	Baltimore, Md.	Lumber	7,284	6,615	4,966	
Santa Rosalia	4	22.00	5	7.26	5	18.20	5	21.30	American	Norton, Lilly & Co.	405.0	52.6	25.0	Antofagasta Chile.	Pensacola, Fla.	Nitrate	8,063	5,900	4,443	
No. 336 [16]	3		5	7.38	5	18.45			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 319 [16]	3		5	7.38	5	18.45			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 316 [16]	3		5	8.04	5	18.45			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 314 [16]	3		5	8.04	5	18.45			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
Aroostook [19]	3		5	8.28	5	19.42			American	U. S. Navy	375.0	52.2		San Diego, Calif.	Guantanamo, Cuba					
Garnet [20]	3		5	8.38	5	18.00			American	U. S. Navy	180.0	35.6		San Diego, Calif.	Guantanamo, Cuba					
No. 318 [16]	3		5	9.10	5	21.00			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 317 [16]	3		5	9.10	5	21.00			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 315 [16]	3		5	9.13	5	21.00			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 320 [16]	3		5	9.10	5	21.00			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
Charles Pratt [7]	5	8.15	5	9.19	5	22.00	5	22.05	American	Standard Oil Co.of N.J.	500.0	68.0	30.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	15,745	10,313	7,492	
Altair [21]	3		5	10.28	6	00.10			American	U. S. Navy	410.0	54.0		San Diego, Calif.	Guantanamo, Cuba					
No. 325 [16]	3		5	10.32	5	22.45			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 322 [16]	3		5	10.32	5	22.45			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 321 [16]	3		5	10.38	6	00.10			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
No. 323 [16]	3		5	10.38	6	00.10			American	U. S. Navy	310.0	30.11	12.0	San Diego, Calif.	Guantanamo, Cuba					
Feltore	5	5.37	5	10.53	6	2.00	6	2.00	American	Ore S. S. Corp.	449.1	57.2	30.0	Cruz Grande, Chile	Baltimore, Md.	Iron ore	11,000	7,808	5,139	

[1] Tanker. [14] U. S. Army transport. [15] British cruiser. [16] Destroyer. [17] Destroyer tender. [18] Repair ship. [19] Mine layer. [20] Mine sweeper. [21] Auxiliary destroyer tender.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Relief [22]	3		5	11 56	6	3 10			American	U. S. Navy	469 0	60 11		San Diego, Calif.	Guantanamo, Cuba				
Ucayali	5	7 15	5	12 34	6	5 37			Peruvian	Peruvian Line	374 2	46.7	19 5	Callao, Peru	Cristobal, C. Z	General	1,942	4,466	2,405
Padilla	5	10 20	5	13 00	6	5 37			Colombian.	Colombian S. S. Co	247.2	43 5	13 0	Buenaventura, Col.	Pto. Colombia, Col.	(24)	1,045½	2,204	1,506
Tilthorn	5	13 10	5	13 56	6	6 42	6	7 40	Norwegian.	E. I. Dupont Co	420 2	53 9	28 4	Iquique, Chile.	Savannah, Ga	Nitrate	10,259	6,591	4,730
Chilcop	5	13 45	5	14 33	6	8 25	6	11 05	British	Chile S. S. Co. of N. Y.	411 5	54 1	24 5	Chanaral, Chile.	New York, N. Y.	Nitrate, copper.	7,825	6,631	5,008
No. 330 [23]	3		4	13 01	5	6 59			American	U. S. Navy	310 0	30 11	12 0	San Diego, Calif.	Guantanamo, Cuba				
No. 331 [23]	3		4	13 10	5	6 50			American	U. S. Navy	310 0	30 11	12.0	San Diego, Calif.	Guantanamo, Cuba				

[1] Tanker. [22] Hospital ship. [23] Destroyer. [24] Cocoa, beans, and sardines. **Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.**

PORT OF CRISTOBAL.

*ARRIVALS.

Date.	Vessel.	Line.	From—
February 27	Heredia	United Fruit Co	New Orleans via Habana.
February 28	Veendam	Holland-American Line	New York via wayports.
February 28	Hatfield [25]	U. S. Navy	High seas.
March 1	Seattle [26]	U. S. Navy	La Guayra, Venezuela.
March 2.	Turrialba	United Fruit Co	New Orleans via Habana.
March 2.	Heredia	United Fruit Co	Port Limon, Costa Rica.
March 2.	Tivives	United Fruit Co	New York via Kingston.
March 2.	Linda S. [27]	Surgeon Brothers	Colon, R. P.
March 2.	Victory [28]	Eisenmann & Eleta	Colon, R. P.
March 2.	Caberia [27]	A. Tagaropulos	Colon, R. P.
March 2.	Maria Cristina [27]	A. Tagaropulos	Colon, R. P.
March 2.	Emperador [29]	A. Tagaropulos	Colon, R. P.
March 2.	Flor de Panama [27]	A. Tagaropulos	Colon, R. P.
March 2.	Willinnis [27]	A. Tagaropulos	Colon, R. P.
March 3.	Ceiba	Standard Fruit S. S. Co	New Orleans, La.
March 3.	Favorita	Standard Fruit S. S. Co	New York.
March 3.	Ancon	Panama Railroad S. S. Line	New York via Haiti.
March 3.	Calamares	United Fruit Co	New York via wayports.
March 3.	San Benito	United Fruit Co	Boston via wayports.
March 4.	Favorita	Standard Fruit S. S. Co	San Blas Coast, R. P.
March 5.	Limon	United Fruit Co	New York via wayports.

*DEPARTURES.

Date.	Vessel.	Line.	For—
February 27	Esparta	United Fruit Co	New York via Habana.
February 27.	Oranje Nassau	Royal Netherlands W. I. Mail.	Amsterdam and wayports.
February 27	Heredia	United Fruit Co	Port Limon, Costa Rica.
February 28	Rugia	Hamburg-American Line	Port Limon, Costa Rica.
March 2.	Veendam	Holland-American Line	Curacao, D. W. I.
March 2.	Amassia	Hamburg-American Line	Curacao, D. W. I.
March 2.	Hatfield [25]	U. S. Navy	High seas.
March 2.	Heredia	United Fruit Co	New Orleans via Habana.
March 2.	Linda S. [27]	Surgeon Brothers	Bluefields, Nicaragua.
March 2.	Victory [28]	Eisenmann & Eleta	Colon, R. P.
March 2.	Caberia [27]	A. Tagaropulos	Colon, R. P.
March 2.	Maria Cristina [27]	A. Tagaropulos	Colon, R. P.
March 2.	Emperador [29]	A. Tagaropulos	Colon, R. P.
March 2.	Flor de Panama [27]	A. Tagaropulos	Colon, R. P.
March 2.	Willinnis [27]	A. Tagaropulos	Colon, R. P.
March 3.	Tivives	United Fruit Co	Colombian ports.
March 3.	Turrialba	United Fruit Co	New Orleans and wayports.
March 3.	San Benito	United Fruit Co	Boston via wayports.
March 3.	Favorita	Standard Fruit S. S. Co	San Blas Coast, R. P.
March 3.	Ceiba	Standard Fruit S. S. Co	New York and Kingston.
March 4.	Calamares	United Fruit Co	New York via wayports.

[25] Destroyer. [26] Cruiser. [27] Motor schooner. [28] Motor schooner and barge. [29] Schooner. * Other than ships passing through the Canal.

(Continued on page 416, column 2.)

Tanker Traffic Through the Panama Canal in February, 1927.

(Continued from page 409.)

together with the totals for the two preceding months and for February, 1926:

Nationality.	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
To Los Angeles.				
February, 1927	51	304,227	$219,363.99	
January, 1927	46	268,648	193,712.55	
December, 1926	45	253,416	182,619.14	
February, 1926	35	209,842	151,399.44	
From Los Angeles.				
February, 1927	34	205,415	209,051.25	387,123
January, 1927	44	257,264	298,437.67	470,800
December, 1926	36	214,249	219,178.56	416,272
February, 1926	36	204,281	206,649.70	374,209

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending March 5, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Iowa	French Line		March 1		157
Bologna	Italian Line		March 1		372
Amassia	Hamburg-American Line		March 2		894
Dos Hermanos	R. Newman	March 1	March 2	12	(1)
Scania	Colombian Transport Co	March 1	March 3	781	(1)
Linda S	R. Feuillebois	March 2	March 2	(2)	23
Heredia	United Fruit Co	March 2	March 2	8	355
Tivives	United Fruit Co	March 2	March 3	157	740
Turrialba	United Fruit Co	March 2	March 3	1,037	130
Canada	Johnson Line	March 2	March 2	(2)	7
San Benito	United Fruit Co	March 2	March 2	176	62
Favorita	Standard Fruit S. S. Co	March 3	March 3	(2)	6½
Ceiba	Standard Fruit S. S. Co	March 3	March 3	686	(1)
West Mingo	California & Eastern S. S. Co	March 3	March 4	122	(1)
Ancon	Panama Railroad S. S. Line	March 3		2,670	
Calamares	United Fruit Co	March 3	March 4	254	37
Emden	Hamburg-American Line	March 3	March 4	24	434
Jamaica	Pacific Steam Navigation Co	March 3		931	
Essequibo	Pacific Steam Navigation Co	March 4	March 4	185	20
Bogota	Pacific Steam Navigation Co	March 4	March 4	78	72
Bennekom	Royal Netherlands W. I. Mail	March 4	March 5	241	308
Limon	United Fruit Co	March 5	March 5	37	232
Pollux	Royal Netherlands W. I. Mail	March 5		2	
Cavina	Elders & Fyffes, Ltd	March 5	March 5	7	(1)

[1] No cargo laded. [2] No cargo discharged. [3] 1 Case.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending March 5, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Havana Maru	Oska Shosen Kaisha	March 1	March 2	155	
Canada	Axel Johnson	March 2	March 2		2
Somme	U. S. Government	March 3	March 4	910	98
Scania	Colombian Transport Co.	March 3	March 3		38

Sale of Power Plant Equipment.

The Panama Canal offers for sale the equipment installed in the Miraflores steam auxiliary power plant.

Sealed proposals will be received at the offices of the General Purchasing Officer, The Panama Canal, Washington, D. C., and the Chief Quartermaster, The Panama Canal, Balboa Heights, Canal Zone, not later than 10.30 o clock a. m., on the 8th day of April, 1927, at which time they will be opened in public, for the purchase of the above-mentioned equipment. Forms of proposal, Circular No. 1778, with full particulars, may be had upon application to the offices mentioned above.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.15 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $9.00 per ton of 2,240 pounds at Cristobal, and $12.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $9.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $10.00 per ton at Cristobal, $13.00 at Balboa. If less than 50 tons is taken from lighters, prices are $12.00 per ton at Cristobal and $15.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $10.00 Cristobal and $13.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will always save time by applying to the nearest American Consul.

Binders for The Panama Canal Record.

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

Postal Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

MOVEMENTS OF OCEAN VESSELS.—Continued from page 414.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.

Date.	Vessel.	Line.	From—
March 5	Cavina	Elders & Fyffes, Ltd	Avonmouth via wayports.
March 5	Pollux	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
March 5	Flor de Panama [30]	A. Tagaropulos	Colon, R. P.
March 5	Alianca [31]	A. Tagaropulos	Colon, R. P.

[30] Motor schooner. [31] Schooner.

* DEPARTURES.

Date.	Vessel.	Line.	For—
March 5	Favorita	Standard Fruit S. S. Co.	New Orleans, La.
March 5	Limon	United Fruit Co	New York via Habana.
March 5	Cavina	Elders & Fyffes, Ltd	Bristol via Kingston.
March 5	Flor de Panama [30]	A. Tagaropulos	Colon, R. P.
March 5	Alianca [31]	A. Tagaropulos	Colon, R. P.

PORT OF BALBOA.

Date.	Vessel.	Line.	From—
February 27	Mojave	General Petroleum Co	Los Angeles, Calif.
March 1	Pathfinder [30]	Mrs. L. G. Salkey	Chepo, R. P.

Date.	Vessel.	Line.	For—
March 1	Mojave	General Petroleum Co	Los Angeles, Calif.
March 1	Pathfinder [30]	Mrs. L. G. Salkey	Chepo, R. P.

* Other than ships passing through the Canal.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., March 16, 1927. No. 32.

Visit of U. S. Battle Fleet.

On the morning of March 3, 1927, the U. S. Battle Fleet, totaling 71 vessels, major unit of the United States Fleet, arrived at Balboa. The Fleet began transiting the Canal on March 4, and by March 8 was assembled in Colon preparatory to commencing Fleet problem No. VII at noon on March 9.

During the approach of the Fleet to Balboa on March 3, minor exercises were carried out in conjunction with the Army and Navy forces on the Isthmus. Upon the completion of these exercises and up to the time the ships started transiting the Canal, shore leave was granted to the enlisted personnel each day from 1 p. m. to 6 p. m.

Fifty-seven ships in all transited the Canal. The U. S. S. *Holland*, U. S. S. *Ortolan*, and Submarine Divisions Eleven and Twelve, did not transit and will base on Balboa until May 4, up to which time they will carry out gunnery exercises, power runs, etc., in Panama Bay.

The Battle Fleet is under the command of Admiral R. H. Jackson, U. S. Navy, whose flagship, is the U. S. S. *California*.

Admiral C. F. Hughes, U. S. Navy, Commander-in-Chief, United States Fleet, arrived in Colon on board his flagship, the U. S. S. *Seattle*, on March 1, 1927. Admiral Hughes and several members of his staff came over to the Pacific side to witness the joint exercises which were held on March 3.

Notice to Mariners.

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., March 10, 1927.

A fixed red light has been installed on the top of the water tower at the Submarine Base, Coco Solo, C. Z., to warn aircraft during night flying. Elevation of tower, 150 feet.

Shipping is hereby advised so that this light may not be taken for a navigational mark.

Approximate position: Latitude 9° 22′ 28″ N.
Longitude 79° 53′ 10″ W.

M. L. WALKER,
Governor.

Sale of Power Plant Equipment.

The Panama Canal offers for sale the equipment installed in the Miraflores steam auxiliary power plant.

Sealed proposals will be received at the offices of the General Purchasing Officer, The Panama Canal, Washington, D. C., and the Chief Quartermaster, The Panama Canal, Balboa Heights, Canal Zone, not later than 10.30 o clock a. m., on the 8th day of April, 1927, at which time they will be opened in public, for the purchase of the above-mentioned equipment. Forms of proposal, Circular No. 1778, with full particulars, may be had upon application to the offices mentioned above.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, March 12, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Acajutla	2-10	15 45	6	6 22	6	15 50	6	17 15	British	Pacific Steam Nav. Co.	215.7	33.5	17.3	Cristobal, C. Z.	Champerico, Guat.	General	1,075	1,273	706
Point Sur	5	14 53	6	6 25	6	15 58	6	17.15	American	Swayne & Hoyt	324.0	46.2	22.5	New Orleans, La.	Seattle, Wash.	General	3,560	3,984	2,612
Fred W. Weller [1]	5	15 45	6	7.25	6	16 41	6	18.15	American	Standard Oil Co.	500.0	68.0	19.0	New York, N. Y.	Talara, Peru	Ballast		10,928	7,710
Minnesotan	5	16 43	6	8 10	6	16 52	6	18 15	American	Amer.-Hawaiian Line	407.0	53.7	24.0	Boston, Mass.	San Francisco, Cal.	General	5,700	7,150	4,899
E. J. Sadler [1]	5	17 40	6	9 05	6	17.20	6	19.10	American	Standard Oil Co.	499.2	68.0	19.0	New York, N. Y.	Los Angeles, Calif.	Ballast		11,020	7,988
Dochet	5	18.23	6	9 45	6	17 51	6	19.15	American	Redwood Line	386.8	52.2	18.0	New Orleans, La.	San Francisco, Cal.	General	3,592	5,705	4,167
Bethore	5	15 05	6	10 45	6	18 45	6	20.00	American	Ore S. S. Corp.	559.3	72.2	24 8	Norfolk, Va.	Cruz Grande, Chile	Ballast		15,476	4,354
Silverfir [2]	6	6.15	6	12 05	6	19.03	6	20 52	British	Kerr Line	375.0	52.6	18.0	Baltimore, Md.	Far East	(6)	2,009	6,085	4,676
Amerikaland [2]	5	22 30	6	13 00	6	19.50	7	2 20	Swedish	Ore S. S. Corp.	561.0	72.0	21.0	Baltimore, Md.	Cruz Grande, Chile	Ballast		15,560	4,496
Aritz Mendi	6	7.35	6	14.00	6	21 02	6	22 55	Spanish	Sota & Aznar	400.0	53.0	14.8	Ardrossan, England	Arica, Chile	Ballast		6,127	4,285
Fishpool	6	12.00	7	5.15	7	16 28	7	18.10	British	Sir. R. Ropner & Co.	379.0	56.0	13.0	Norfolk, Va.	Vancouver, B. C.	Ballast		5,497	4,180
Balboa [2]	6	12 45	7	6.05	7	17.17	7	22 09	Swedish	Johnson Line	426.9	56.2	25.6	Stockholm, Sweden	Honolulu, T. H.	(7)	7,343	7,480	5,533
Lubrico [1]	7	1.20	7	7.10	7	18 05	7	19 20	American	Standard Oil Co.	425.0	57.2	21.6	Baltimore, Md.	San Francisco, Cal.	Ballast		7,227	4,827
Gargoyle [1]	7	5.35	7	8.15	7	18 00	7	19 20	American	Vacuum Oil Co.	425.0	57.2	20.0	Philadelphia, Pa.	San Francisco, Cal.	Ballast		7,510	4,989
Fortuna [1]	11-30	19 30	7	10 45	7	19 28	8	19 00	Colombian	Panamente & Co.	79.3	20.0	6.0	Cristobal, C. Z.	Buenaventura, Col.	Ballast		96	60
Mineric	7	7 30	7	11 10	7	18 48	7	20.18	British	Andrew Weir & Co.	405.0	52.0	26.0	Tampico, Mexico	Adelaide, Australia	Asphalt	6,700	6,172	4,702
Santa Cruz	6	19 20	7	11.40	7	19 28	8	9 18	American	Grace Line	384.0	50.2	17.7	New York, N. Y.	Chanaral, Chile	General	2,685	5,534	3,868
Mecca [4]			7		7	13 32			American	United Fruit Co.				Cristobal, C. Z.	Balboa, C. Z.	Ballast		4	4
El Lobo [1]	7	17 00	8	6 25	8	15 16	8	16 30	British	C. T. Bowring & Co.	385.2	51.0	20.0	Fall River, Mass.	Lobitos, Peru	Ballast		4,851	3,311
Ramapo [1]	4	20 45	8	7 03	8	16 31	8	18 05	American	U. S. Navy	461.0	60.0	18.5	Cristobal, C. Z.	Balboa, C. Z.	Naval stores	3		
Suporteo	8	5 05	8	8 25	8	17 05	8	18.28	American	Transmarine Lines	324.0	46 2	20.0	Newark, N. J.	San Francisco, Cal.	General	3,800	3,984	2,612
Ecuador	7	16.10	8	10.07	8	17.22	9	17 55	American	Panama Mail S. S. Co.	380.6	48.7	22.0	New York, N. Y.	San Francisco, Cal.	General	2,680	5,926	4,178
Indianola	8	6 40	8	10 25	8	19 00	9	1 58	British	Andrew Weir & Co.	390.0	52.1	25.9	Port Arthur, Texas	Auckland	Case oil	6,700	6,024	4,482
Turkestan	8	6 25	8	11.20	8	19 10	8	20.40	British	Hindustan S. S. Co.	365.0	51.0	14.0	Birkenhead, Eng'd.	Vancouver, B. C.	Ballast		4,749	3,143
No. 317 [5]	5	21 00	9		9	9 22	9	10.27	American	U. S. Navy	310 0	30.0		Cristobal, C. Z.	Balboa, C. Z.				
No. 318 [5]	5	21 00	9		9	9 22	9	10.27	American	U. S. Navy	310.0	30.0		Cristobal, C. Z.	Balboa, C. Z.				
No. 316 [5]	5	18.45	9		9	9 27	9	10 27	American	U. S. Navy	310.0	30.0		Cristobal, C. Z.	Balboa, C. Z.				
No. 319 [5]	5	18 45	9		9	9 27	9	10 27	American	U. S. Navy	310.0	30.0		Cristobal, C. Z.	Balboa, C. Z.				
No. 314 [5]	5	18 45	9	4 45	9	10 24	9	11 02	American	U. S. Navy	310.0	30.0		Cristobal, C. Z.	Balboa, C. Z.				
No. 315 [5]	5	21 00	9	4 45	9	10 24	9	11.02	American	U. S. Navy	310.0	30.0		Cristobal, C. Z.	Balboa, C. Z.				
Plum Branch	8	13.37	9	4 25	9	14 05	9	15 25	British	F. & W. Ritson	398.6	53.6	17.6	Liverpool, England	Corral, Chile	General	1,534	5,761	3,881
Frederic R. Kellogg [1]	8	15 43	9	6 30	9	15 05	9	16 10	American	Mexican Petroleum Co.	425.8	57.0	19.0	Providence, R. I.	Los Angeles, Calif.	Ballast		7,178	4,963
Foldenfjord [1]	8	17.55	9	7 20	9	15 50	9	19.35	Norwegian	Anglo-Saxon Pet. Co.	430.4	59.3	16.0	Rotterdam, Holland	Los Angeles, Calif.	Ballast		7,780	5,520
Cities Service Petrol [1]	8	18 55	9	8 30	9	16 42	9	17 55	American	Cities Service Corp.	468.3	62 7	16.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		9,802	7,292
Edgar F. Luckenbach	9	8.40	9	9.15	9	17 07	9	18 30	American	Luckenbach Line	425.0	57.3	25.0	New Orleans, La.	Seattle, Wash.	General	5,340	8,568	6,648
Montana [1]	9	9 10	9	9 50	9	17 27	9	18 30	Norwegian	Huasteca Petroleum Co.	425.0	57.0	20.0	New Orleans, La.	Los Angeles, Calif.	Ballast		7,117	5,099
Greylock	9	11 05	9	11 20	9	18 42	9	23 15	American	Isthmian S. S. Lines	430.4	54.3	30.0	Baltimore, Md.	Tacoma, Wash.	Steel, general	9,569	7,946	5,698

[1] Tanker. [2] Motor ship. [3] Motor schooner. [4] Launch. [5] Destroyer. [6] Sulphate of ammonia. [7] Phosphate, iron, and general.

Patrician	8	18.00	9	12.26	9	19.25	9	20.30	British	T. & J. Harrison	423.0	56.6	19.0	Liverpool, England	Vancouver, B. C.	Ballast		6,353	4,598
Horace Luckenbach	9	10.30	9	13.06	9	20.20	9	21.30	American	Luckenbach Line	445.0	58.0	27.6	Boston, Mass.	Seattle, Wash.	General	8,380	8,699	6,363
Canadian Challenger	9	12.05	9	13.45	9	21.30	10	8.34	British	Can. Gov. Mer. Marine	400.0	52.0	19.0	Halifax, N. S.	Auckland, N. Z.	General	2,645	6,142	4,354
Araucania	9	9.25	9	13.40	9	22.17	10	00.50	Chilean	Langren & Co.	155.0	35.0	13.6	Middlesboro, Eng.	Valparaiso, Chile	Ballast		654	260
Santa Teresa	9	18.38	10	4.30	10	13.39	10	17.40	American	Grace Line	360.2	51.6	23.10	New York, N. Y.	Talcahuano, Chile	General	2,726½	5,726	4,086
Challenger [2]	9	6.40	10	6.10	10	14.47	10	15.50	American	Isthmian S. S. Lines	410.0	56.0	30.2	Charleston, S. C.	Shanghai, China	([8])	10,086	7,780	5,811
W. L. Steed [1]	10	00.45	10	7.20	10	14.28	11	20.40	American	Pan-Amer.Pet.&Tr. Co.	416.8	56.1	21.6	New York, N. Y.	Los Angeles, Calif.	Ballast		6,751	4,795
Svealand [2]	10	8.55	10	9.20	10	16.36	10	22.25	Swedish	Ore S. S. Corp.	572.0	72.0	24.0	Baltimore, Md.	Cruz Grande,Chile	Ballast		15,425	4,421
Manchuria	10	9.55	10	10.30	10	17.33	11	00.10	American	Panama-Pacific Line	600.0	65.3	27.0	New York, N. Y.	San Francisco, Cal.	Machinery, gen.	2,670	17,044	11,488
Wray Castle	10	11.45	10	12.05	10	18.56	10	20.10	British	James Chambers & Co.	419.0	55.0	24.9	New York, N. Y.	Shanghai, China	General	5,181	6,861	5,016
Pennsylvanian	10	12.45	10	13.05	10	19.37	11	00.53	American	Amer.-Hawaiian Line	407.7	53.7	22.0	Boston, Mass.	Portland, Oreg.	General	5,143	7,107	4,989
Amazonas	9	22.10	10	13.45	10	21.10	10	22.25	Peruvian	Peruvian Line	350.0	42.5	20.6	New York, N. Y.	Callao, Peru	Coal, general	2,059	3,744	2,621
Steel Navigator	10	13.15	11	2.05	11	9.27	11	10.29	American	U. S. Steel Products Co.	424.2	56.2	26.9	New York, N. Y.	Manila, P. I.	General	8,266	7,611	5,454
Canadolite [2] [1]	10	13.35	11	3.25	11	10.49	12	9.40	British	Imperial Oil Co., Ltd.	510.9	68.0	23.0	Halifax, N. S.	Talara, Peru	Ballast		11,556	7,658
Forresbank [2]	10	18.00	11	5.15	11	12.08	11	16.20	British	Bank Line, Ltd.	420.0	53.9	23.0	Philadelphia, Pa.	Shanghai, China	Case oil, general	6,078¾	7,097	5,009
President Adams	11	3.45	11	6.30	11	13.28	12	00.07	American	Dollar Line	502.0	61.0	26.6	New York, N. Y.	San Francisco, Cal.	General	3,998	12,057	8,457
Malabar	10	19.20	11	7.20	11	14.35	11	15.35	American	C. D. Mallory & Co.	458.3	60.0	21.0	New York, N. Y.	Los Angeles, Calif.	Ballast		8,633	6,314
Watertown [1]	10	20.00	11	8.15	11	16.12	11	18.05	American	Cities Service Corp.	416.9	56.2	21.0	Philadelphia, Pa.	San Francisco, Cal.	Ballast		6,717	4,778
Maidan	11	1.00	11	9.05	11	16.58	11	18.05	British	Com'lth & Dom. Line	470.0	62.0	22.6	New York, N. Y.	Fremantle, Aust'lia	General	3,982	8,834	5,951
Induna	11	9.05	11	11.03	11	18.03	11	19.23	British	Wessel, Duval & Co.	402.0	52.2	15.0	Baltimore, Md.	Antofagasta, Chile	Ballast			
Jamaica	3	18.25	11	13.25	11	21.16	11	22.38	British	Pacific Steam Nav. Co.	220.0	34.0	13.0	Cristobal, C. Z.	Champerico, Guat.	General	653	1,187	622
Barmbek	11	11.00	11	13.30	11	21.07	11	22.38	German	Knohr & Burchard	328.8	45.3	13.0	Hull, England	Guaymas, Mexico	Ballast			
Eleanor Christensen	11	13.50	11	14.05	11	21.50	11	23.26	American	Sudden & Christensen	410.5	54.3	21.0	Baltimore, Md.	Pacific coast ports	General	5,228	6,572	4,788
Tut [4]			11		11	11.54			American	J. J. Burton				Cristobal, C. Z.	Gatun, C. Z.	Unknown		1	1
Sutorpco	11	17.15	11	22.45	12	10.24	12	18.05	American	Transmarine Lines	324.0	46.2	22.6	New Orleans, La.	San Diego, Calif.	General	3,845	3,984	2,612
Evanger	11	18.37	11	22.40	12	10.30	12	16.35	Norway	Westfal, Larsen & Co.	365.4	52.2	23.0	Buenos Aires, Arg.	Tacoma, Wash.	General	6,489	5,746	4,092
LaBrea [1]	11	19.10	11	23.55	12	10.47	12	13.20	American	Union Oil Co.	435.0	56.2	19.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,150	4,765
Orcoma	11	14.20	12	2.00	12	9.34	12	10.41	British	Pacific Steam Nav. Co.	511.6	62.0	25.5	Liverpool, England	Coronel, Chile	General	3,323	12,414	8,302
Capetown Maru	11	19.45	12	3.30	12	11.11	12	14.05	Japanese	Kawasaki Kisen Kaisha	385.0	51.0	16.0	Newcastle-on-Tyne	Iquique, Chile	Ballast		6,209	4,658
Myrtle	11	23.35	12	5.15	12	12.19	12	14.05	American	Columbia-Pac. Ship.Co.	410.5	54.2	21.0	Philadelphia, Pa.	Portland, Oreg.	General	4,636	6,755	4,895
The Lambs	12	2.15	12	6.45	12	14.05	12	19.45	American	Amer.-Pioneer Line	395.5	45.0	23.6	Port Arthur, Texas	Cebu, Phil. Islands	General	6,334	7,285	5,256
San Francisco Maru	12	3.05	12	7.05	12	15.05	12	16.05	Japanese	Kokusai Kisen Kaisha	385.0	51.0	25.0	New York, N. Y.	Yokohama, Japan	General	6,155	6,245	4,704
Santa Maria [1]	10	18.55	12	8.05	12	15.59	12	17.20	American	Union Oil Co.	460.0	60.3	20.10	Cristobal, C. Z.	Los Angeles, Calif.	Ballast		8,746	5,679
Lake Benbow	12	2.30	12	9.15	12	16.22	12	20.50	American	Ford Motor Co.	250.5	45.8	17.6	New York, N. Y.	Seattle, Wash.	Automobile parts	1,770		
Chiman [2]	9	18.50	12	9.30	12	17.32	12	23.57	Panaman	National Nav. Co.	116.0	21.1	9.10	Cristobal, C. Z.	Buenaventura, Col.	General	398	211	114
Celticstar	12	6.20	12	10.30	12	17.38	13	00.19	British	Blue Star Line	390.7	53.2	18.0	London, England	Vancouver, B. C.	Ballast			
Isis [2]	12	1.25	12	11.45	12	19.04	12	22.37	German	United American Line	392.9	51.6	24.0	Antwerp, Belgium	Vancouver, B. C.	General	6,766	5,788	4,027
King David	12	6.45	12	12.22	12	19.52	12	20.50	British	Trinder Anderson	355.1	50.4	23.6	New York, N. Y.	Port Bowen, Aust.	Gasoline, general	4,256		
Cali	11	20.55	12	13.00	12	21.04	12	22.25	German	Roland Line	216.0	32.8	10.0	Cristobal, C. Z.	Guayaquil,Ecuador	Ballast		1,105	698
Tracy [5]	11	9.48	12	13.30	12	21.04	12	22.37	American	U. S. Navy	310.0	30.11		Guantanamo, Cuba	Corinto, Nicaragua				
Whipple [5]	11	5.20	12	13.30	12	21.04	12	22.37	American	U. S. Navy	310.0	30.11		Guantanamo, Cuba	Corinto, Nicaragua				

[1] Tanker. [8] Steel, cotton, tobacco, and general.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Arizona [9]	3	....	6	6 08	6	18 15	9	14.25	American	U. S. Navy	600.0	97.6	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
Oklahoma [9]	3	....	6	6 37	6	20 15	9	14.25	American	U. S. Navy	575.0	95.2½	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
Nevada [9]	3	....	6	7 14	6	22 05	9	14.25	American	U. S. Navy	575.0	95.2½	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
Eclipse	5	11 59	6	7 48	6	19 00	6	19.00	American	American Pioneer Line	440.0	56.0	27.6	Manila, P. I.	New York, N. Y.	General	10,096	8,293	6,078
Pacific Shipper [10]	5	18.00	6	8.13	6	20.50	6	20.50	British	Furness, Withy & Co.	420.0	58.0	25.6	Vancouver, B. C.	Manchester, Eng.	General	7,149	7,982	5,858
Glamorganshire	5	23 50	6	9 03	6	23 14	8	10.49	British	Royal Mail S. P. Co.	460.9	58.0	24.5	Los Angeles, Calif.	Rotterdam, Holland	General	7,696	8,229	5,982
Procyon [11]	....	....	6	9 35	6	20 50	9	14.25	American	U. S. Navy	401.0	54.0	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
Kanawha [11]	3	....	6	9 53	7	1.20	9	14.25	American	U. S. Navy	455.0	56.0	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
No. 16 [12]	3	....	6	9 37	6	24 00	9	14.25	American	U. S. Navy	180.0	35.6	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
No. 45 [12]	3	....	6	9 37	6	24 00	9	14.25	American	U. S. Navy	180.0	35.6	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
No. 31 [12]	3	....	6	10 10	6	19 05	9	14.25	American	U. S. Navy	180.0	35.6	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
No. 24 [12]	3	....	6	10 13	6	19 05	9	14.25	American	U. S. Navy	180.0	35.6	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
Omaha [11]	3	....	6	10 25	7	2.40	9	11.45	American	U. S. Navy	550.0	55.0	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
S. M. Spalding [1]	6	6.00	6	11.10	7	4.20	7	4.20	American	Huasteca Petroleum Co.	435.0	56.0	27.7	Los Angeles, Calif.	Boston, Mass.	Fuel oil	9,589	7,331	5,111
Corinto	6	4.00	6	11.53	7	5 50	..	...	American	Panama Mail S. S. Co.	261.0	40.0	17.0	San Francisco, Cal.	Cristobal, C. Z.	([15])	1,289	2,352	1,549
New Mexico [9]	3	....	7	5 59	7	16 40	9	14.25	American	U. S. Navy	600.0	97.4½	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
Idaho [9]	3	....	7	6 43	7	19 55	9	14.25	American	U. S. Navy	600.0	97.4	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
Mississippi [9]	3	....	7	7 15	7	22 15	9	14.25	American	U. S. Navy	600.0	97.4	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
Maryland [9]	3	....	7	7 45	7	24 00	9	14.25	American	U. S. Navy	600.0	97.3	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
Franklin K. Lane [1]	6	14.30	7	8.21	7	17 30	7	17.30	American	Huasteca Petroleum Co.	435.0	56.2	26.0	Los Angeles, Calif.	Baltimore, Md.	Motor gasoline	9,639	7,405	5,131
Orduna	7	7.10	7	9.04	7	18 40	8	6.15	British	Pacific Steam Nav. Co.	569.3	67.3	31.7	Valparaiso, Chile	Liverpool, England	General	7,794	17,143	12,012
Robert E. Hopkins [1]	6	18 00	7	9 24	7	18.58	7	18.58	American	Tidewater Oil Co.	424.4	58.2	27.3	Los Angeles, Calif.	New York, N. Y.	Crude oil	10,840	7,333	5,182
Indiana	6	18 30	7	10 10	7	21.15	8	17.10	French	French Line	435.0	56.0	26.7	Vancouver, B. C.	La Havre, France	General	8,101	7,157	4,936
Felix Taussig	6	19 00	7	10 25	7	23.00	7	23.00	American	Norton, Lilly & Co.	398.0	55.0	27.6	Everett, Wash.	Portsmouth, R. I.	Lumber	7,010	7,056	4,964
Lubeck	6	16.45	7	10 38	8	1 40	8	3.10	German	Kosmos Line	338.0	47.5	24.0	Mejillones, Chile	Europe	Nitrate	5,558	4,429	2,753
Margaret Dollar	7	1.30	7	11.14	8	6.33	8	6.33	American	Dollar Line	429.0	59.6	29.1	Seattle, Wash.	Norfolk, Va.	General	9,672	7,579	5,527
Langley [14]	3	....	7	12 31	8	5.05	9	14.25	American	U. S. Navy	520.0	65.0	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
Ebro	7	13.15	7	14.20	8	4 00	8	9.47	British	Pacific Steam Nav. Co.	450.35	57.86	23.0	San Antonio, Chile	New York, N. Y.	General	3,578	9,291	6,301
Narenta	7	12.50	7	14.42	8	8.13	8	14.33	British	Royal Mail S. P. Co.	450.2	58.3	25.9	Vancouver, B. C.	Rotterdam, Holland	General	6,213	8,856	6,559
California [9]	3	....	8	6 26	8	16.33	9	14.25	American	U. S. Navy	600.0	97.3	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
West Virginia [9]	3	....	8	6 38	8	17.40	9	14.25	American	U. S. Navy	600.0	97.3	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
Colorado [9]	3	....	8	7 12	8	18.35	9	14.25	American	U. S. Navy	600.0	97.3	....	San Diego, Calif.	Guantanamo, Cuba	....	....	....	....
Point Bonito	3	12.20	8	7 47	8	19 15	8	19.15	American	Swayne & Hoyt	324.0	46.2	20.6	Vancouver, B. C.	New Orleans, La.	General, lumber	3,176	3,984	2,617
Fernhill [10]	7	19.45	8	8 24	8	20.10	8	20.10	Norwegian	Fernley & Eger	377.6	54.0	25.6	Koh Sichang, Siam	Cienfuegos, Cuba	Rice	7,000	6,081	4,538
Easterling	8	1 55	8	8 45	8	21.25	8	22.20	American	Roosevelt S. S. Co., S.B.	384.3	51.2	18.0	Melbourne, Aust.	New York, N. Y.	Wool, general	1,363	5,967	4,449

[1] Tanker. [9] Battleship. [10] Motor ship. [11] Auxiliary. [12] Mine sweeper. [13] Light cruiser. [14] Aircraft cruiser. [15] Coffee, hides, and general.

J. A. Moffett, Jr. [1]	8	6.15	8	9.25	8	22.25	8	22.35	American	Standard Oil Co.of N. J.	499.2	68.1	30.11	Los Angeles, Calif.	Baltimore, Md.	Oil in bulk	15,442	11,034	7,995
San Nazario [1]	7	18.20	8	10.10	8	23.50	10	22.30	British	Anglo-Saxon Pet. Co.	525.5	66.5	29.6	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	13,200	12,158	8,463
Lena Luckenbach	8	10.30	8	11.11	9	1.40	9	1.40	American	Luckenbach Line	425.0	53.8	26.7	Seattle, Wash.	Mobile, Ala.	General	6,540	7,217	5,295
Remuera	8	5.20	8	13.47	8	24.00	8	24.00	British	N. Z. Shipping Co.	485.0	62.3	24.0	Wellington, N. Z.	London, England	Frozen, general	5,609	11,717	8,751
Aurora [1] [10]	8	13.00	8	14.23	9	4.00	9	4.00	American	Standard Transp. Co.	431.0	59.2	28.4	Los Angeles, Calif.	New York, N. Y.	Gas oil	10,314	7,825	5,102
Java Arrow [1]	8	7.20	9	6.10	9	18.35	9	18.35	American	Standard Oil Co.	468.3	62.7	26.0	San Francisco, Cal.	New York, N. Y.	Gasoline	11,366	10,084	7,426
Lio [1] [10]	8	10.30	9	7.13	9	19.20	9	19.20	American	Standard Transp. Co.	431.0	59.0	28.6	San Francisco, Cal.	New York, N. Y.	Gasoline	9,500	7,846	5,112
Colombo [16]	7	14.20	9	8.23	9	20.25	9	20.25	British	British Government	425.0	40.0	16.0	Corinto, Nicaragua	Vera Cruz, Mexico				
Stella	8	20.20	9	8.58	9	22.35			Norwegian	Panama Mail S. S. Co.	195.1	32.9	14.10	Puerto Angel, Mex.	Cristobal, C. Z.	Coffee, wood	1,201	985	606
Chiman [10]	9	5.00	9	9.16	9	18.50	12*	9.30	Panaman	National Nav. Co.	116.0	21.0	9.7	Buenaventura, Col.	Cristobal, C. Z.	([19])	222	211	124
R. W. Stewart [1]	9	00.45	9	9.17	9	22.00	9	23.00	American	Pan-Amer.Pet.&Tr. Co.	467.6	62.7	28.4	Los Angeles, Calif.	Providence, R. I.	Fuel oil	12,708	9,363	6,874
Lewis Luckenbach	9	3.30	9	10.24	9	24.00	9	24.00	American	Luckenbach Line	496.0	68.2	30.0	Portland, Oreg.	Boston, Mass.	General, lumber	10,339	11,487	8,762
Missourian [10]	9	7.00	9	10.54	10	1.25	10	1.25	American	Amer.-Hawaiian Line	445.0	59.8	28.0	Seattle, Wash.	New York, N. Y.	General, lumber	8,767	8,567	6,020
Charles H. Cramp	9	8.00	9	11.16	10	3.00	10	3.00	American	Argonaut S. S. Co.	404.6	53.9	28.0	Vancouver, B. C.	Baltimore, Md.	Lumber, general	6,787	6,755	4,750
Colombia	8	20.35	9	12.23	9	21.30	12	00.05	American	Panama Mail S. S. Co.	380.0	48.7	25.3	San Francisco, Cal.	New York, N. Y.	General	3,514	6,015	4,281
Augvald	9	9.45	9	13.07	10	4.25	10	4.25	Norwegian	Dupont & Co.	400.0	52.6	26.0	Caleta Colosa,Chile	Wilmington, N. C.	Nitrate	8,000	6,698	4,990
Hagood [1]	9	10.40	9	14.13	10	5.55	10	5.55	American	Cities Service Trans.Co.	435.6	56.2	29.0	Los Angeles, Calif.	Philadephia, Pa.	Fuel oil	10,680	7,426	5,094
Astral [1]	10	3.45	10	6.09	10	17.55	10	17.55	American	Standard Transp. Co.	439.5	58.0	28.0	San Francisco, Cal.	New York, N. Y.	Gasoline	9,266	8,913	6,233
Santa Maria [1]	9	18.20	10	7.15	10	18.55	12	8.05	American	Union Oil Co. of Calif.	460.0	60.3	29.9	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	10,000	8,746	5,679
Corsicana	9	16.20	10	8.16	10	19.35	10	20.45	American	Pillsbury & Curtis	250.5	43.7	22.0	Seattle, Wash.	Habana, Cuba	Lumber	2,434	2,483	1,696
Eastern Knight	10	1.00	10	9.14	10	20.30	10	20.30	American	Columbia-Pac. Ship.Co.	415.1	55.7	28.7	Portland, Oreg.	Baltimore, Md.	Lumber, copper	9,000	7,643	5,657
Bengal Maru	10	9.15	10	10.00	10	21.35	11	1.10	Japanese	Nippon Yusen Kaisha	400.0	54.6	23.6	Iloilo, P. I.	New York, N. Y.	General	6,892	5,837	4,125
Arctic [17]	9	19.00	10	13.14	10	22.40	10	22.40	American	U. S. Navy	402.6	53.0	22.7	San Francisco, Cal.	Gonaives, Haiti	Navy stores	4,000		
City of Winnepeg	10	16.45	11	6.22	11	18.40	11	18.40	British	Ellerman & Bucknall	421.7	52.96	27.4	Otaru, Japan	Hull, England	General	8,990	7,145	5,757
E. M. Clark [1]	10	15.40	11	7.15	11	19.45	11	19.45	American	Standard Oil Co.of Calif.	499.2	68.1	29.7	Los Angeles, Calif.	Halifax, N. S.	Crude oil	16,200	11,063	8,033
Cali	11	5.00	11	8.09	11	20.55	12	13.00	German	Roland Line	216.6	32.9	14.0	Guayaquil,Ecuador	Cristobal, C. Z.	Cacao, ivorynuts	561	1,105	698
O-7 [18]	10		11	8.11	11	20.40			American	U. S. Navy				Pearl Islands, R. P.	Cristobal, C. Z.				
O-9 [18]	10		11	8.11	11	20.40			American	U. S. Navy				Pearl Islands, R. P.	Cristobal, C. Z.				
St. Jean	11	7.30	11	9.05	11	23.40	13	15.16	French	French Line	396.8	49.1	26.3	Talcahuano, Chile	Havre, France	Nitrate, copper	7,636	5,849	4,081
O-4 [18]	10		11	10.11	11	22.40			American	U. S. Navy				Pearl Islands, R. P.	Cristobal, C. Z.				
O-10 [18]	10		11	10.11	11	22.40			American	U. S. Navy				Pearl Islands, R. P.	Cristobal, C. Z.				
O-6 [18]	10		11	10.11	11	22.40			American	U. S. Navy				Pearl Islands, R. P.	Cristobal, C. Z.				
O-8 [18]	10		11	10.11	11	22.40			American	U. S. Navy				Pearl Islands, R. P.	Cristobal, C. Z.				
Axtel J. Byles [1]	11	7.06	11	11.13	11	23.40	11	23.40	American	Tidewater Tr. Corp.	468.3	62.0	28.6	Los Angeles, Calif.	New York, N. Y.	Crude oil	12,520	9,776	6,903
S-25 [18]	3		12	7.18	12	18.10			American	U. S. Navy	231.0	30.0		San Diego, Calif.	Cristobal, C. Z.				
Samuel Q. Brown [1]	12	6.00	12	8.14	12	18.25	13	00.05	American	Tidewater Oil Co.	424.4	58.2	27.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	10,808	7,333	5,183
Sidney M. Hauptman	12	10.15	12	10.58	12	19.08	12	19.08	American	McCormick S. S. Co.	401.0	53.2	27.6	Portland, Oreg.	Philadelphia, Pa.	Lumber, copper	7,500	7,082	5,167
Volunteer	11	21.45	12	13.18	12	22.10	12	22.10	American	American-Pioneer Line.	410.0	56.0	29.7	Iloilo, P. I.	Baltimore, Md.	Sugar	10,080	8,314	6,207

[1] Tanker. [10] British cruiser. [17] Supply ship. [18] Submarine. [19] Coffee, gold, and platinum.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

MOVEMENTS OF OCEAN VESSELS.—Continued.

PORT OF CRISTOBAL.

*ARRIVALS.				*DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
March 6.	Cartago	United Fruit Co	New Orleans via Habana.	March 6.	Cartago	United Fruit Co	Port Limon, Costa Rica.
March 6.	Mundelta	Munson S. S. Line	Norfolk, Va.	March 7.	Mundelta	Munson S. S. Line	Bluefields, Nicaragua.
March 7.	Columbus	North German Lloyd.	New York via wayports.	March 7.	Ancon	Panama Railroad S. S. Line.	New York via Haiti.
March 9.	Cartago	United Fruit Co	Port Limon, Costa Rica.	March 7.	Pollux	Royal Netherlands W. I. Mail.	Barranquilla, Colombia.
March 9.	Abangarez	United Fruit Co	New Orleans via Habana.	March 7.	Columbus	North German Lloyd	New York via wayports.
March 9.	Jezebel [20]	T. L. Chadborn	Cartagena, Colombia.	March 9.	Cartago	United Fruit Co	New Orleans via Habana.
March 9.	Sixaola	United Fruit Co	New York via Kingston.	March 9.	Flor de Panama [21]	A. Tagaropulos.	Colon, R. P.
March 9.	Granada	Standard Fruit S. S. Co	New Orleans, La.	March 9.	Caberia [21]	A. Tagaropulos.	Colon, R. P.
March 9.	Flor de Panama [21]	A. Tagaropulos	Colon, R. P.	March 9.	Emperador [22]	A. Tagaropulos	Colon, R. P.
March 9.	Caberia [21]	A. Tagaropulos	Colon, R. P.	March 9.	Maria Cristina [21]	A. Tagaropulos	Colon, R. P.
March 9.	Emperador [22]	A. Tagaropulos	Colon, R. P.	March 9.	Victory [23]	Eisenmann & Eleta	Colon, R. P.
March 9.	Maria Cristina [21]	A. Tagaropulos	Colon, R. P.	March 9.	Terror [21]	A. Tagaropulos	Colon, R. P.
March 9.	Terror [21]	A. Tagaropulos	Colon, R. P.	March 10.	Sixaola	United Fruit Co	Colombian ports.
March 9	Victory [23]	Eisenmann & Eleta	Colon, R. P.	March 10.	Tivives	United Fruit Co	New York via Kingston.
March 10.	Pastores	United Fruit Co	New York via wayports.	March 10.	Abangarez	United Fruit Co	New Orleans via wayports.
March 10.	Tivives	United Fruit Co	Colombian ports.	March 10.	San Bruno	United Fruit Co	Boston via wayports.
March 10.	San Bruno	United Fruit Co	Boston via wayports.	March 10.	Jezebel [20]	T. L. Chadborn	Palm Beach via Kingston.
March 10.	M. F. Benefit [22]	F. Britton	Colon, R. P.	March 11.	Granada	Standard Fruit S. S. Co	San Blas Coast, R. P.
March 11.	Caledonia	Anchor Line	New York via West Indies.	March 11.	M. F. Benefit [22]	F. Britton	Bluefields, Nicaragua.
March 11.	Jan Van Nassau	Royal Netherlands W. I. Mail.	Port Limon, Costa Rica.	March 11.	Pastores	United Fruit Co	New York via wayports.
March 12.	Granada	Standard Fruit S. S. Co	San Blas Coast, R. P.	March 12.	Granada	Standard Fruit S. S. Co	New Orleans, La.
March 12.	Lawrence [24]	U. S. Navy	High seas.	March 12.	Manaqui	United Fruit Co	Armilla, R. P.
March 12.	Manaqui	United Fruit Co	Port Limon, Costa Rica.	March 12.	Jan Van Nassau	Royal Netherlands W. I. Mail.	Amsterdam, Holland.
March 12.	Reliance	Hamburg-American Line	New York via West Indies.	March 12.	Alliancia [22]	A. Tagaropulos	Colon, R. P.
March 12.	Puerto Rico	French Line	Havre via wayports.	March 12.	Puerto Rico	French Line	Saint Nazaire, France.
March 12.	Alliancia [22]	A. Tagaropulos	Colon, R. P.				

[20] Yacht. [21] Motor schooner. [22] Schooner. [23] Motor schooner and barge. [24] Destroyer.

PORT OF BALBOA.

March 8.	Agnes E. [21]	Pacific Fruit Co	Panama Bay, R. P.	March 8.	Agnes E [21]	Pacific Fruit Co	Panama Bay, R. P.
March 8.	Dos Hermanos [21]	Isthmian Land & Fruit Co.	Panama Bay, R. P.	March 8.	Dos Hermanos [21]	Isthmian Land & Fruit Co	Panama Bay, R. P.
March 8.	Pathfinder [21]	Mrs. L. G. Salkey	Panama Bay, R. P.	March 8.	Pathfinder [21]	Mrs. L. G. Salkey	Panama Bay, R. P.
March 9.	Rakuyo Maru	Nippon Yusen Kaisha	Hongkong, China.	March 10.	Rakuyo Maru	Nippon Yusen Kaisha	Valparaiso, Chile.
March 11.	Agnes E [21]	Pacific Fruit Co	Panama Bay, R. P.	March 11.	Agnes E [21]	Pacific Fruit Co	Panama Bay, R. P.

*Other than ships passing through the Canal.

Commercial Traffic Through the Panama Canal in February, 1927, by Trade Routes.

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo
United States intercoastal:							
United States	76	326,880	417,589	526,389	326,656	$348,341.64	212,978
East coast of United States to west coast of South America:							
British	6	28,155	38,020	49,373	29,667	31,118.85	4,589
Chilean	2	3,801	4,995	7,954	4,259	4,606.75	1,643
Japanese	1	4,361	4,700	5,873	4,254	5,451.25	4,009
Norwegian	2	6,971	9,720	11,394	6,978	6,988.10	.....
Peruvian	1	1,483	1,529	2,155	1,169	1,834.80	2,056
Swedish	1	3,743	4,421	15,339	4,377	3,183.12	.....
United States	12	43,307	52,507	69,903	43,237	43,167.38	18,990
Totals	25	91,821	115,892	161,991	93,941	96,350.25	31,287
East coast of United States to Far East:							
British	6	22,706	33,072	36,533	22,867	28,382.50	32,980
Japanese	7	29,406	36,187	44,927	28,847	36,591.25	49,165
Norwegian	3	9,859	14,975	15,967	9,898	12,323.75	17,996
United States	6	23,108	32,566	37,220	22,912	28,885.00	38,709
Totals	22	85,079	116,800	134,647	84,524	106,182.50	138,85
Europe to west coast of South America:							
British	9	40,118	50,520	65,544	40,261	44,628.34	14,853
Dutch	1	4,853	7,660	8,670	4,709	6,066.25	5,669
French	1	4,222	4,885	6,733	4,227	5,277.50	2,466
German	5	15,650	22,086	25,690	15,656	18,928.76	24,372
Italian	1	3,441	3,961	5,311	3,844	4,301.25	2,121
Norwegian	1	1,441	1,413	1,882	1,136	1,734.00	2,244
Spanish	2	6,911	8,391	11,407	7,134	7,068.85	397
Yugoslav	1	3,547	4,536	5,635	3,537	3,265.92	.....
Totals	21	80,183	103,452	130,872	80,493	91,270.87	52,122
Europe to west coast of United States:							
Belgian	1	6,279	6,362	8,247	5,978	4,709.25	.....
British	12	60,283	68,734	92,701	58,729	49,838.64	.....
Danish	1	2,707	4,569	4,465	2,730	3,289.68	.....
Norwegian	4	16,006	19,749	25,954	15,756	14,124.40	436
United States	2	9,604	12,842	15,488	9,529	10,118.61	6,295
Totals	20	94,879	112,256	146,855	92,722	82,080.58	6,731
United States to Australasia:							
British	13	55,033	74,411	86,690	54,891	68,791.25	65,795
Norwegian	1	2,168	4,010	3,677	2,161	2,710.00	5,970
United States	2	7,216	10,119	11,585	7,175	9,020.00	8,585
Totals	16	64,417	88,540	101,952	64,227	80,521.25	80,350
Europe to west coast of Canada:							
British	8	33,936	46,266	54,642	33,954	40,274.15	13,266
Danish	1	4,257	5,341	6,650	4,247	5,321.25	5,837
French	2	8,456	10,512	13,699	8,489	10,570.00	5,083
German	1	2,620	4,023	4,453	2,621	3,275.00	6,583
Italian	1	5,249	5,934	7,061	4,460	6,561.25	1,711
Swedish	1	3,406	5,661	5,642	4,320	4,257.50	7,853
United States	1	3,115	4,417	4,999	3,115	3,893.75	6,730
Totals	15	61,039	82,154	97,146	61,206	74,152.90	47,063
Europe to Australasia:							
British	8	46,544	61,000	74,098	45,921	58,180.00	51,363
French	1	4,287	5,364	7,139	4,335	5,358.75	3,787
Totals	9	50,831	66,364	81,237	50,256	63,538.75	55,150
Cristobal, C. Z., to west coast United States:							
British	2	7,618	8,869	12,059	7,596	6,385.68	.....
Panaman	1	1,384	2,606	3,644	2,594	1,730.00	2,824
United States	3	12,804	15,121	20,734	12,862	10,887.12	.....
Totals	6	21,806	26,596	36,437	23,052	19,002.80	2,824

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Cristobal, C.Z., to west coast South America:							
Colombian	2	245	255	386	234	$296.85	370
Ecuadorian	1	302	307	405	308	368.40	686
German	1	618	698	1,023	616	502.56	.....
Peruvian	1	1,515	2,959	4,617	2,427	1,893.75	178
United States	1	5,901	7,710	9,485	5,899	5,551.20	.....
Totals	6	8,581	11,929	15,916	9,484	8,612.76	1,234
East coast United States to west coast of Canada:							
Italian	1	4,693	4,784	6,097	3,899	5,740.80	4,700
United States	4	11,648	16,858	19,012	11,650	14,560.00	24,690
Totals	5	16,341	21,642	25,109	15,549	20,300.80	29,390
Europe to west coast of Central America:							
British	1	2,926	2,931	2,955	1,848	3,517.20	4,004
German	3	4,512	6,303	7,725	4,505	5,640.00	2,843
Totals	4	7,438	9,234	10,680	6,353	9,157.20	6,847
West Indies to Far East:							
British	3	8,819	13,395	14,313	8,821	11,023.75	22,194
East coast of Canada to Australasia:							
British	3	9,861	12,366	16,437	10,100	12,326.25	8,254
Cristobal, C.Z., to west coast of Central America:							
British	2	1,262	1,357	2,266	1,252	1,556.40	1,938
United States	1	1,382	1,744	2,332	1,481	1,255.68	.....
Totals	3	2,644	3,101	4,598	2,733	2,812.08	1,938
Paraiso, C.Z., to Balboa, C.Z.:							
German	3	262	262	262	262	196.50	.....
East coast of South America to west coast United States:							
United States	2	7,840	10,548	12,586	7,920	8,437.27	5,684
Cristobal, C. Z., to Panama Bay:							
Panaman	2	40	58	92	40	41.76	.....
Around the world:							
United States	2	12,500	17,697	21,035	12,500	15,625.00	8,519
East coast of South America to Far East:							
Japanese	1	4,170	5,821	7,267	4,387	5,212.50	2,988
Europe to Far East:							
Japanese	1	3,862	4,786	6,038	3,822	4,827.50	6,800
East coast of Canada to Far East:							
British	1	3,744	6,087	6,009	3,753	4,680.00	8,559
East coast of Canada to west coast of United States:							
British	1	3,926	4,649	7,115	3,943	3,347.28	.....
South Africa to west coast of South America:							
British	1	3,205	4,058	5,213	3,210	2,921.76	.....
East coast of United States to Hawaii:							
United States	1	319	341	470	319	245.52	.....
West Indies to west coast of Central America:							
British	[1] 1	.....	.....	.....	.....	2,350.00	.....
East coast of Canada to west coast of Canada:							
British	1	1,456	1,626	2,410	1,451	1,820.00	1,410
West Indies to Balboa, C. Z.:							
United States	1	200	210	444	200	151.20	.....
Totals, February, 1927	252	972,143	1,257,453	1,573,520	971,924	1,075,530.67	731,172
Totals, February, 1926	215	827,976	1,052,228	1,334,709	833,513	921,402.72	602,370
Totals, February, 1925	206	767,768	980,156	1,250,563	772,529	853,315.61	583,587

[1] Cruiser of 4,700 tons displacement.

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	62	259,874	330,850	416,246	258,940	$324,800.20	534,752
West coast of South America to Europe:							
British	7	26,573	33,115	43,347	26,797	31,076.99	42,344
Dutch	2	6,967	10,543	11,422	6,801	8,708.75	15,618
French	2	7,992	9,296	12,616	7,941	8,990.00	14,902
German	7	25,099	33,017	40,585	25,229	31,373.75	51,625
Italian	2	5,354	7,006	9,271	5,412	6,692.50	8,188
Norwegian	1	3,626	4,606	5,811	3,637	4,532.50	7,959
Spanish	2	5,290	6,349	8,652	5,556	6,612.50	7,218
Yugoslav	1	3,202	4,056	5,226	3,179	4,002.50	7,747
Totals	24	84,103	107,988	136,930	84,552	102,989.49	155,922
West coast of South America to east coast of United States:							
British	4	11,663	16,167	20,287	12,138	14,578.75	19,639
Chilean	1	3,479	4,672	7,289	3,886	4,348.75	5,197
German	1	3,645	4,629	5,869	3,599	4,556.25	7,996
Norwegian	3	8,633	10,239	12,590	8,681	10,545.30	18,764
Swedish	2	7,486	8,917	30,676	8,762	9,357.50	41,500
United States	11	43,627	51,135	76,323	43,892	54,268.35	135,444
Totals	22	78,533	95,759	153,034	80,958	97,654.90	228,534
West coast Canada to Europe:							
British	10	44,184	59,270	71,641	44,496	55,230.00	82,672
Dutch	1	4,547	7,056	7,310	4,495	5,683.75	9,559
Danish	1	4,219	5,317	6,645	4,244	5,273.75	9,568
French	1	3,349	5,196	5,693	3,499	4,186.25	7,920
Italian	2	10,272	12,368	15,185	9,588	12,840.00	16,607
Japanese	1	4,356	4,383	5,859	4,258	5,265.60	7,404
Norwegian	2	7,641	9,733	12,322	7,674	9,551.25	15,473
Swedish	1	2,316	4,033	3,877	2,912	2,895.00	5,828
United States	2	7,623	12,105	12,334	7,570	9,528.75	16,781
Totals	21	88,507	119,466	140,866	88,736	110,454.35	171,803
West coast of United States to Europe:							
Belgium	1	4,568	4,976	7,137	4,154	5,710.00	9,462
British	6	19,051	23,601	33,604	19,311	23,813.75	41,943
Danzig	1	5,207	5,927	8,744	5,026	6,508.75	11,742
German	2	6,589	9,105	10,682	6,636	8,236.25	13,832
Japanese	3	10,658	11,537	15,866	9,548	13,155.75	21,140
United States	1	6,052	7,895	9,838	6,019	7,565.00	13,500
Totals	14	52,125	63,041	85,871	50,694	64,989.50	111,619
Australasia to Europe:							
British	9	54,423	74,592	87,800	55,035	68,028.75	58,337
West coast of Canada to east coast of United States:							
Danish	1	2,651	4,583	4,454	2,694	3,313.75	7,442
Japanese	1	3,606	4,488	5,484	5,009	4,507.50	7,691
Norwegian	1	2,923	4,561	4,904	2,939	3,654.75	8,141
United States	5	15,345	20,077	24,886	15,205	19,181.25	32,396
Totals	8	24,525	33,709	39,728	25,847	30,656.25	55,670
West coast of United States to Cristobal, C. Z.:							
British	2	7,618	8,869	12,059	7,596	9,522.50	16,774
Panaman	1	1,384	2,606	3,644	2,594	1,730.00	2,351
United States	4	18,705	22,831	30,219	18,761	23,381.25	39,980
Totals	7	27,707	34,306	45,922	28,951	34,633.75	59,105
West coast of South America to Cristobal, C. Z.:							
Colombian	2	245	255	386	234	306.25	447
German	1	618	698	1,023	616	772.50	836
Norwegian	1	599	685	997	587	748.75	1,080
Peruvian	1	1,515	2,959	4,617	2,427	1,893.75	1,432
United States	1	1,382	1,744	2,332	1,481	1,727.50	1,019
Totals	6	4,359	6,341	9,355	5,345	5,448.75	4,814

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Balboa, C. Z., to Cristobal, C. Z.:							
British	1	405	432	1,116	445	$311.04	
Panaman	2	40	58	92	40	50.00	36
United States	1	200	211	444	200	151.92	
Totals	4	645	701	1,652	685	512.96	36
Philippines to east coast of United States:							
United States	2	10,333	12,113	15,292	10,429	12,916.25	20,210
West coast of Central America to Cristobal, C. Z.:							
British	2	1,286	1,441	2,298	1,304	1,607.50	2,152
West coast of Central America to Europe:							
German	2	1,750	2,012	3,000	1,750	2,187.50	3,427
Far East to east coast of United States:							
Japanese	1	4,722	5,856	7,007	4,327	5,902.50	8,626
United States	1	4,495	5,882	5,816	3,567	5,618.75	9,008
Totals	2	9,217	11,738	12,823	7,894	11,521.25	17,634
Australasia to east coast of Canada:							
British	2	7,658	9,588	12,582	7,744	9,572.50	5,073
West coast of United States to east coast of South America:							
Norwegian	1	4,656	5,331	7,455	4,415	5,820.00	9,451
United States	1	836	840	1,049	838	1,045.00	2,336
Totals	2	5,492	6,171	8,504	5,253	6,865.00	11,787
West coast of United States to east coast of Canada:							
British	2	13,228	15,336	22,618	13,690	16,535.00	30,793
West coast of United States to West Indies:							
United States	2	5,532	6,670	9,019	5,521	6,915.00	12,374
West coast of Central America to east coast of United States:							
Norwegian	1	1,469	1,776	2,449	1,458	1,836.25	1,991
Far East to Europe:							
British	1	3,434	5,182	5,485	3,425	4,292.50	6,057
Australasia to West Indies:							
British	1	3,061	3,521	4,990	3,086	3,826.25	3,341
West coast of Canada to West Indies:							
Swedish	1	869	1,574	1,593	1,055	1,086.25	2,504
Totals, February, 1927	197	738,130	943,875	1,218,057	742,352	919,330.15	1,498,935
Totals, February, 1926	209	732,627	938,899	1,190,207	731,251	913,823.75	1,536,837
Totals, February, 1925	173	640,094	899,291	1,020,072	640,290	795,649.27	1,256,032

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending March 12, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Laded.
				Tons.	*Tons.*
Corinto	Panama Mail S. S. Co.	March 6	March 6	58	
Acajutla	Pacific Steam Navigation Co.	March 6	March 6		2
Santa Cruz	Grace Line	March 7	March 8		2
San Nazario	Eagle Oil Transport Co	March 7	March 8	3,000	
Ecuador	Panama Mail S. S. Co.	March 8	March 9	153	68
Colombia	Panama Mail S. S. Co	March 8	March 9	95	
Rakuyo Maru	Nippon Yusen Kaisha	March 9	March 10	256	
Chiman	Colombian Transport Co.	March 9	March 9	5	
Santa Teresa	Grace Line	March 10	March 10		3
President Adams	Dollar Line	March 11	March 11		10
Santa Maria	Union Oil Co	March 12	March 12	5	

Traffic by Nationality for February, 1927.

The following tabulations show the commercial traffic through the Canal during the month of February, 1927, classified according to nationality of vessels, by direction of transit, and the combined traffic in both directions, together with corresponding totals for February, 1926 and 1925:

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
Belgian	1	6,279	6,362	8,247	5,978	$4,709.25	
British	[1] 78	329,592	427,361	528,358	328,264	371,142.05	229,2[illegible]5
Chilean	2	3,801	4,995	7,954	4,259	4,606.75	1,643
Colombian	2	245	255	386	234	296 85	370
Danish	2	6,964	9,910	11,115	6,977	8,610.93	5,837
Dutch	1	4,853	7,660	8,670	4,709	6,066.25	5,669
Ecuadorian	1	302	307	405	308	368 40	686
French	4	16,965	20,761	27,571	17,051	21,206.25	11,336
German	13	23,662	33,372	39,153	23,660	28,542.82	33,798
Italian	3	13,383	14,679	18,469	12,203	16,603.30	8,532
Japanese	10	41,799	51,494	64,105	41,310	52,082.50	62 962
Norwegian	11	36,445	49,867	53,874	35,929	37,880.25	26,646
Panaman	3	1,424	2,664	3,736	2,634	1,771.76	2,824
Peruvian	2	2,998	4,488	6,772	3 596	3,728.55	2,234
Spanish	2	6,911	8,391	11,407	7,123	7,068.85	597
Swedish	2	7,149	10,082	20,981	8,697	7,440.62	7,853
United States	114	465,824	600,269	751,682	465,455	590,139 37	331,180
Yugoslav	1	3,547	4,536	5,635	3,537	3,265.92	
Totals, February, 1927	252	972,143	1,257,453	1,573,520	971,924	1,075,530.67	731,172
Totals, February, 1926	215	827,976	1,052,228	1,334,709	833,513	921,402.72	602,370
Totals, February, 1925	206	767,768	980,155	1,250,563	772,529	853,315.61	583,587

[1] Includes cruiser of 4,700 tons displacement.

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
Belgian	1	4,568	4,976	7,137	4,154	$5,710.00	9,462
British	47	192,584	251,114	317,827	195,067	238,395.53	310,125
Chilean	1	3,479	4,672	7,289	3,886	4,348.75	5,197
Colombian	2	245	255	386	234	306.25	447
Danish	2	6,870	9,900	11,099	6,938	8,587.50	17,010
Danzig	1	5,207	5,927	8,744	5,026	6,508.75	11,742
Dutch	3	11,514	17,599	18,732	11,296	14,392.50	25,108
French	3	11,341	14,492	18,309	11,440	14,176.25	22,822
German	13	37,701	49,461	61,159	37,830	47,126.25	77,710
Italian	4	15,626	19,374	24,456	15,000	19,532.50	25,095
Japanese	6	23,342	26,269	34,216	23,142	28,831.35	44,861
Norwegian	10	29,547	36,936	46,528	29,391	36,687.80	62,850
Panaman	3	1,424	2,664	3,736	2,634	1,780.00	2,387
Peruvian	1	1,515	2,959	4,617	2,427	1,893.75	1,432
Spanish	2	5,290	6,349	8,652	5,556	6,612.50	7,218
Swedish	4	10,671	14,524	36,146	12,729	13,338.75	49,832
United States	93	374,004	472,353	603,798	372,423	467,099.22	817,800
Yugoslav	1	3,202	4,056	5,226	3,178	4,002.50	7,747
Totals, February, 1927	197	738,130	943,875	1,218,057	742,352	919,330.15	1,498,935
Totals, February, 1926	209	732,627	938,899	1,190,207	731,251	913,823.75	1,536,837
Totals, February, 1925	173	640,094	809,291	1,020,072	649,290	795,649.27	1,256,032

COMBINED TRAFFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
Belgian	2	10,847	11,338	15,384	10,132	$10,419.25	9,462
British	[1] 125	522,176	678,475	846,185	523,331	609,537.58	539,330
Chilean	3	7,280	9,667	15,243	8,145	8,955.50	6,840
Colombian	4	490	510	772	468	603.10	817
Danish	4	13,834	19,810	22,214	13,915	17,198.43	22,847
Danzig	1	5,207	5,927	8,744	5,026	6,508.75	11,742

[1] Includes cruiser of 4,700 tons displacement.

COMBINED TRAFFIC.—Continued.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo
		United States equivalent.	Panama Canal net.	Registered Gross.	Registered Net.		
Dutch	4	16,367	25,259	27,402	16,005	$29,458 75	30,867
Ecuadorian	1	302	397	495	398	368 40	686
French	7	28,306	35,253	45,880	28,491	35,382 50	34,158
German	26	61,363	82,833	100,312	61,490	75,699 07	111,598
Italian	7	29,009	34,053	42,925	27,293	36,135 80	33,627
Japanese	18	65,141	77,763	93,321	64,452	80,913 85	107,823
Norwegian	21	65,992	86,798	105,402	66,329	74,568 05	89,196
Panamanian	6	2,848	5,528	7,472	5,288	3,551 76	5,211
Peruvian	3	4,513	7,447	11,389	6,923	5,922 30	3,666
Spanish	4	12,201	14,740	20,059	12,675	13,681 35	7,615
Swedish	6	17,829	24,606	57,127	21,426	20,779 37	57,065
United States	297	839,828	1,072,622	1,355,480	837,873	967,238 59	1,148,980
Yugoslav	2	6,749	8,549	10,861	6,716	7,268 42	7,747
Totals, February, 1927	449	1,710,273	2,201,328	2,791,577	1,714,276	1,994,860.82	2,230,107
Totals, February, 1926	424	1,560,603	1,991,127	2,524,916	1,564,764	1,835,226.47	2,139,207
Totals, February, 1925	379	1,407,862	1,789,447	2,270,635	1,412,819	1,648,964.88	1,839,619

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending March 12, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Acajutla	Pacific Steam Navigation Co.	March 2.	March 6.	....	1,079
Cartago	United Fruit Co	March 6.	March 6.	463	199
Balboa	Johnson Line	March 6.	March 7.	109	(1)
Ancon	Panama Railroad S. S. Line	....	March 7.	....	4,385
Pollux	Royal Netherlands W. I. Mail.	....	March 7.	....	514
Santa Cruz	Grace Line	March 6.	March 7.	(2)	145
Padilla	Colombian S. S. Co.	March 6.	March 9.	1,012	(1)
Loayali	Peruvian Line	March 6.	March 10.	1,942	(1)
Corinto	Panama Mail S. S. Co.	March 7.	....	1,239	....
Glamorganshire	Pacific Steam Navigation Co.	March 6.	March 8.	(2)	568
Ecuador	Panama Mail S. S. Co	March 7.	March 8.	647	81
Indiana	French Line	March 7.	March 8.	278	64
Urduna	Pacific Steam Navigation Co.	March 7.	March 8.	(2)	11
Patrician	T. & J. Harrison	March 8.	March 9.	367	(1)
San Nazario	Anglo-Mexican Petroleum Co.	March 8.	March 10.	12,974	(1)
Ebro	Pacific Steam Navigation Co.	March 8.	March 8.	5	11
Colombia	Panama Mail S. S. Co.	March 9.	March 11.	1,914	132
Cartago	United Fruit Co	March 9.	March 9.	10	517
Abangarez	United Fruit Co	March 9.	March 10.	566	246
Sixaola	United Fruit Co.	March 9.	March 10.	197	318
Stella	Panama Mail S. S. Co	March 9.	....	1,201	....
Chiman	Colombian Transport Co.	March 9.	March 12.	222	398
Granada	Standard Fruit S. S. Co.	March 9.	March 10.	180	4½
Amazonas	Peruvian Line	March 9.	March 10.	485	94
Tivives	United Fruit Co.	March 10.	March 10.	1	6
Santa Maria	Union Oil Co	March 10.	March 12.	10,000	(1)
Pastores	United Fruit Co.	March 10.	March 11.	514	299
San Bruno	United Fruit Co.	March 10.	March 10.	11	4
M. F. Benefit	Colon Import & Export Co.	March 10.	March 10.	(2)	39
Buenaventura	Panama Railroad S. S. Line	March 11.		688	....
Jamaica	Pacific Steam Navigation Co.		March 11.	....	653
Cali	Roland Line	March 11.	March 12.	561	(1)
Saint Jean	French Line	March 11.	March 12.	873	63
Dinteldijk	Holland-American Line	March 11.	March 12.	447	457
Jan Van Nassau	Royal Netherlands W. I. Mail.	March 11.	March 12.	5	918
Oregoma	Pacific Steam Navigation Co.	March 11.	March 12.	107	272
Puerto Rico	French Line	March 12.		39	....
Isis	Kosmos Line	March 12.	March 12.	(2)	142
Granada	Standard Fruit S. S. Co.	March 12.	March 12.	(2)	345

[1] No cargo laded. [2] No cargo discharged.

Sale of Used Equipment.

The Panama Canal offers for sale a number of items of used equipment, consisting of a ladder dredge, locomotive cranes, steam locomotives, pumps, earth spreader, electric motors, etc. Sealed bids will be received in the offices of the General Purchasing Officer, The Panama Canal, Washington, D. C., and the Chief Quartermaster, The Panama Canal, Balboa Heights, C. Z., up to 10.30 a. m., April 21, 1927. Forms of proposal, circular No. 1789, with full particulars, may be obtained on application to the above-mentioned offices.

Postal Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Volume XX. Balboa Heights, C. Z., March 23, 1927. No. 33.

Canal Traffic for First Fifteen Days of March.

During the first 15 days of March, 229 commercial vessels and 9 small nonseagoing launches transited the Canal. Tolls on the commercial vessels aggregated $1,033,871.14, and on the launches $77.51 or a total tolls collection of $1,033,948.65.

The daily average of transits of commercial vessels was 15.26, and the daily average tolls collection $68,924.74. The average amount of tolls paid by each of the commercial transits was $4,514.72, as compared with $4,508.66, for the first 15 days of February.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 8½ months of the fiscal year ending June 30, 1927, with the daily averages of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
July	456	$1,980,719.67	14.71	$63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
January, 1927	443	1,984,760.71	14.29	64,024.54
February	449	1,994,860.82	16.03	71,245.03
March (first 15 days)	229	1,033,871.14	15.26	68,924.74
Totals	3,818	16,943,132.43	14.79	65,671.05

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Sale of Power Plant Equipment.

The Panama Canal offers for sale the equipment installed in the Miraflores steam auxiliary power plant.

Sealed proposals will be received at the offices of the General Purchasing Officer, The Panama Canal, Washington, D. C., and the Chief Quartermaster, The Panama Canal, Balboa Heights, Canal Zone, not later than 10.30 o clock a. m., on the 8th day of April, 1927, at which time they will be opened in public, for the purchase of the above-mentioned equipment. Forms of proposal, Circular No. 1778, with full particulars, may be had upon application to the offices mentioned above.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, March 19, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Dusan Silni	12	14.30	13	2.37	13	10.45	13	12.14	Yugoslav	Baburizza & Co	421.0	55.1	21.6	Cardiff, England	Mollendo, Peru	Patent fuel	5,500	6,429	4,379
Willsolo	13	15.30	13	4.55	13	14.00	13	14.59	American	Williams S. S. Line	434.3	57.7	24.0	Baltimore, Md	Seattle, Wash	General	6,850	7,983	5,882
Dinteldijk	11	12.05	13	6.02	13	14.51	13	15.59	Dutch	Holland-American Line	485.0	62.0	21.7	Rotterdam, Holland	Vancouver, B. C.	(5)	2,623	10,786	7,551
Pacific	12	20.10	13	7.00	13	15.40	13	21.07	American	Argonaut S. S. Co	399.7	56.2	26.0	New York, N. Y.	San Francisco, Cal.	General, steel	7,734	6,517	4,723
City of Khios	12	21.55	13	8.00	13	16.00	13	17.39	British	Ellerman Lines, Ltd.	400.0	55.0	24.0	New York, N. Y.	Port Pirie, Aust'lia	(7)	4,914	6,799	5,135
Luceric	13	8.45	13	9.00	13	17.30	13	22.25	British	Bank Line, Ltd	412.0	55.5	28.0	Guayabal, Cuba	Hongkong, China	Sugar	7,755½	6,913	4,866
Lucellum [1]	13	9.05	13	9.35	13	17.31	13	21.15	British	Anglo-Saxon Pet. Co.	380.0	50.8	13.6	Newcastle, England	Los Angeles, Calif.	Ballast		5,300	3,706
Buenaventura	11	12.58	13	12.01	13	18.59	13	20.07	American	Panama R. R. S.S. Line	251.0	43.0	20.6	New York, N. Y.	Guayaquil, Ecuador	General	3,098	2,873	1,776
Motor Sailor			13		13	9.32			American	U. S. Navy				Cristobal, C. Z.	Gatun, C. Z.	Ballast			
Lilly [2]			13		13	11.46			American	American Banana Corp.				Cristobal, C. Z.	Gatun, C. Z.	(8)		3	3
A. B. C. No. 8 [3]			13		13	11.46			American	American Banana Corp.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		12	12
A. B. C. No. 9 [3]			13		13	11.46			American	American Banana Corp.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		12	12
Chilseo [1]	13	21.25	14	6.15	14	13.20	14	17.55	American	Chile S. S. Co	391.9	51.2	19.6	Chester, Pa	Los Angeles, Calif.	Ballast		5,360	3,735
Tainui	13	17.40	14	11.10	14	17.48	14	18.50	British	Shaw, Savill & Albion	477.8	61.1	28.2	London, England	Wellington, N. Z.	Machinery, gen.	4,760	10,631	7,606
Ucayali	12	22.53	14	11.45	14	18.37	15	10.19	Peruvian	Peruvian Line	374.0	46.3	19.4	Covenas, Colombia	Callao, Peru	General, cattle	757	4,466	2,405
Siris	14	13.50	15	1.15	15	9.30	15	10.31	British	Royal Mail S. P. Co.	400.0	52.0	21.7	Antwerp, Belgium	Vancouver, B. C.	General	3,598	5,849	4,165
Chateau Thierry [4]	14	1.00	15	6.00	15	13.24	16	2.28	American	U. S. Army	436.9	58.2	25.0	New York, N. Y.	San Francisco, Cal.	Army supplies	468		
Theodore Roosevelt [5]	14	23.10	15	7.30	15	14.50	15	18.58	Norwegian	Fred Olsen & Co.	425.0	56.0	24.0	Antwerp, Belgium	Los Angeles, Calif.	General	7,302	7,593	5,637
Atago Maru [5]	15	1.30	15	8.00	15	15.06	15	16.15	Japanese	Nippon Yusen Kaisha	440.3	57.0	26.0	New York, N. Y.	Kobe, Japan	General	7,786	8,158	5,676
Kentuckian	15	5.55	15	8.35	15	16.27	15	17.50	American	Amer.-Hawaiian Line	415.5	53.7	22.0	Boston, Mass.	Tacoma, Wash	General	4,962	7,040	4,941
Heffron	15	8.05	15	9.45	15	18.06	16	2.23	American	Norton, Lilly & Co.	440.0	56.0	28.0	New York, N. Y.	Vancouver, B. C.	Steel, general	10,450	8,299	6,087
W. S. Rheem [4]	15	13.20	15	13.30	15	20.59	16	2.28	American	Standard Oil Co.	500.0	68.2	18.0	London, England	Los Angeles, Calif.	Ballast		11,224	7,895
Scania [5]	14	19.55	15	13.50	15	22.06	16	13.25	Swedish	Colombian Transp. Co.	189.7	29.0	10.8	Cristobal, C. Z.	Buenaventura, Col.	Ballast		720	421
Walcheren	15	9.35	15	13.53	15	22.20	15	23.50	Dutch	Rotterdamsche Lloyd	361.4	49.9	14.3	Rotterdam, Holland	Chile	Ballast		4,450	3,222
London Merchant	14	17.10	16	4.00	16	10.40	16	11.39	British	Furness-Pacific Line	450.0	58.1	20.2	Manchester, Eng'nd	Vancouver, B. C.	Gen., bananas	2,474	8,416	5,914
Atholl	15	15.10	16	5.30	16	12.36	16	14.09	British	Amer.-Australian Line	385.0	49.0	20.6	New York, N. Y.	Sydney, Australia	Autos, general	2,549	4,830	3,556
David McKelvy [1]	15	21.50	16	6.20	16	13.17	16	14.35	American	Tidewater Oil Co.	430.0	59.2	20.6	New York, N. Y.	Los Angeles, Calif.	Ballast		7,629	5,325
Port Denison	16	00.30	16	7.10	16	14.15	16	15.25	British	Com'lth & Dom. Line	480.4	60.3	24.0	Avonmouth, Eng.	Dunedin, N. Z.	General	6,788	10,595	8,028
Crampton Anderson [1]	16	00.40	16	8.05	16	14.46	16	16.00	American	Huasteca Petroleum Co.	435.0	56.0	22.6	New York, N. Y.	Los Angeles, Calif.	Ballast		7,406	5,159
Standard [1]	16	6.50	16	8.55	16	16.17	16	18.05	American	Standard Oil Co.	523.0	68.0	21.0	New York, N. Y.	Los Angeles, Calif.	Ballast		12,171	8,782
Atlantic [1] [5]	16	9.00	16	9.50	16	17.15	17	11.10	Norwegian	Anglo-Saxon Pet. Co.	441.6	57.6	18.6	Hamburg, Germany	Los Angeles, Calif.	Ballast		7,589	5,312
Gaelicstar	16	5.10	16	10.20	16	17.46	17	2.20	British	Blue Star Line	389.8	53.0	14.0	London, England	Los Angeles, Calif.	Ballast		6,014	4,480
Agwistar	16	11.15	16	11.45	16	18.47	17	00.50	American	N.Y.-Cuba Mail S.S.Co.	370.0	53.1	14.0	New York, N. Y.	Iquique, Chile	Ballast		5,523	4,068
Baranga	16	11.30	16	12.10	16	19.43	16	23.55	British	Shaw, Savill & Albion	478.0	63.2	26.0	London, England	Auckland, N. Z.	Genera	5,000	11,070	7,931

[1] Tanker. [2] Launch. [3] Barge. [4] Transport. [5] Motor ship. [6] General, coke, and bananas. [7] Automobiles, case oil, and general. [8] Towing barges A. B. C., *No. 8* and *No. 9*.

Canadian Scottish	16	12.48	16	13.05	16	20.40	17	2.30	British	Can. Gov. Mer. Marine	400.0	52.0	21.1	Halifax, N. S.	Brisbane, Australia.	General	2,999	5,905	4,129
Hamburg Maru.	16	13.15	16	13.30	16	21.34	17	5.47	Japanese	Osaka Shosen Kaisha	400.0	54.0	23.0	New York, N. Y.	Shanghai, China	(11)	5,235	6,094	4,301
Dos Hermanos [9]	15	18.58	16	.....	16	17.10	16	18.30	Panaman	Isth. Land & Fruit Co.	35.0	12.0	3.0	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....	17	13
Katrina Luckenbach	16	16.03	17	6.10	17	14.30	17	15.35	American	Luckenbach Line	446.0	56.0	29.6	Boston, Mass.	Seattle, Wash.	General	8,845	8,508	6,179
S-25 [10]	.....	.....	17	6.20	17	13.43	17	14.30	American	U. S. Navy	219.3	20.8	.....	Cristobal, C. Z.	Balboa, C. Z.	.....	.....	.....	.....
Cerro Ebano [1]	16	16.10	17	7.40	17	15.09	17	16.10	American	Huasteca Petroleum Co.	480.5	66.0	22.0	Providence, R. I.	Los Angeles, Calif.	Ballast	.....	9,398	6,453
City of Manila.	16	20.52	17	8.40	17	16.15	18	2.12	British	Ellerman & Bucknall	475.0	58.2	22.0	New York, N. Y.	Brisbane, Australia	General	5,764	9,677	7,504
William H. Doheny [1]	16	21.08	17	9.25	17	16.38	17	18.00	American	Huasteca Petroleum Co.	435.0	56.2	24.6	Baltimore, Md.	Los Angeles, Calif.	Ballast	.....	7,406	5,111
Utacarbon [1]	16	19.50	18	1.10	18	9.25	18	10.30	American	Union Oil Co.	435.0	56.0	18.6	Cristobal, C. Z.	Los Angeles, Calif.	Ballast	.....	7,482	5,209
Broad Arrow [1]	17	16.22	18	2.45	18	10.13	18	16.00	American	Standard Oil Co.	467.6	62.7	20.0	Baltimore, Md.	Los Angeles, Calif.	Ballast	.....	9,700	6,842
Baron Graham.	17	7.25	18	7.14	18	15.30	18	16.40	British	H. Hogarth & Sons	336.4	48.4	21.6	Neuvitas, Cuba	Auckland, N. Z.	Sugar	4,830	3,770	2,657
Frank Lynch [5]	17	18.25	18	7.14	18	15.18	18	22.37	American	Cuban Refining Co.	252.0	43.5	18.10	Cardenas, Cuba	Seattle, Wash.	Granulated sugar	2,600	2,283	1,369
Halo [1]	18	8.42	18	9.00	18	15.35	18	16.40	American	Crew, Levick & Co.	435.0	56.0	18.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast	.....	7,434	5,145
Sunbeam [1]	18	6.05	18	9.50	18	16.54	18	18.15	American	Sun Oil Co.	429.3	59.2	19.0	Tampa, Fla.	Los Angeles, Calif.	Ballast	.....	7,709	5,481
Alynbank [5]	18	9.00	18	10.20	18	17.34	18	19.00	British	Bank Line, Ltd.	420.0	53.9	21.10	Houston, Texas	Kobe, Japan	Cotton	5,400	7,093	5,002
Haraldsvang	18	8.33	18	11.15	18	18.34	18	19.35	Norwegian	H. M. Wrangell & Co.	325.3	48.0	14.0	New Orleans, La.	Iquique, Chile	Ballast	.....	3,552	2,464
Venezuela	17	8.15	18	12.30	18	20.08	18	21.20	Italian	Navigazione Generale Italiana.	420.0	51.6	23.9	Genoa, Italy	Valparaiso, Chile	General	1,067½	7,622	5,051
Stella	9	22.05	18	13.10	18	21.05	18	22.37	Norwegian	Panama Mail S. S. Co.	196.1	32.9	13.3	Cristobal, C. Z.	La Union, Salvador.	General	583	985	606
Spreewald	15	20.05	18	13.38	18	21.54	19	2.32	German	Hamburg-American Line	399.6	54.2	21.3	Hamburg, Germany	Valparaiso, Chile	General	4,636	6,791	4,997
Lifeboat	.....	.....	18	.....	18	9.33	.....	.....	American	Panama R. R. S. S. Line	.....	.....	.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....	3	3
Corinto	7	5.50	19	2.15	19	15.02	19	22.00	American	Panama Mail S. S. Co.	261.1	40.0	16.8	Cristobal, C. Z.	San Francisco, Cal.	General	1,460	2,352	1,549
Charles G. Black [1]	18	14.35	19	3.40	19	15.49	19	16.50	American	Standard Oil Co.	550.3	72.2	22.0	Baltimore, Md.	Los Angeles, Calif.	Ballast	.....	15,418	10,613
S. C. T. Dodd [1]	18	16.15	19	5.00	19	16.29	19	20.49	American	Standard Oil Co.	425.0	57.0	18.0	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	7,481	4,975
Yone Maru	17	20.58	19	6.20	19	17.29	19	18.30	Japanese	K. Kisen Kabushiki	425.0	53.0	15.7	Birkenhead, Eng.	Antofagasta, Chile.	Ballast	.....	6,823	5,186
Teno	18	19.10	19	7.00	19	17.43	19	18.38	Chilean	Chilean Line	421.8	56.0	26.2	New York, N. Y.	Valparaiso, Chile	General	2,371	7,758	4,672
Walter Jennings [1]	17	22.30	19	7.55	19	18.20	19	19.44	American	Standard Oil Co.	499.0	68.0	18.4	Cristobal, C. Z.	Los Angeles, Calif.	Ballast	.....	11,037	7,995
Salmonpool	18	20.00	19	9.05	19	19.10	19	20.40	British	Sir R. Ropner & Co.	390.0	56.0	23.6	Swansea, England.	Vancouver, B. C.	Coal	5,623	5,801	4,346
Meline [1]	18	20.55	19	9.45	19	19.56	19	21.15	Norwegian	Mexican Petroleum Co	425.0	57.0	18.0	New Orleans, La.	Los Angeles, Calif.	Ballast	.....	7,114	5,099
Elmworth [5]	19	2.15	19	10.30	19	20.43	20	00.30	British	R. S. Dalgliesh, Ltd.	490.0	53.2	12.8	Genoa, Italy	Vancouver, B. C.	Ballast	.....	5,958	4,114
Murjek [5]	19	6.25	19	11.30	19	21.31	19	22.44	Swedish	Fern Line	392.0	52.0	21.0	Galveston, Texas.	Yokohama, Japan.	Old rails, cotton	4,659	.....	.....
Mecca [2]	.....	.....	19	.....	19	12.53	.....	.....	American	United Fruit Co	.....	.....	.....	Cristobal, C. Z.	Gatun, C. Z.	(12)	.....	4	4
No. 31022 [3]	.....	.....	19	.....	19	12.53	.....	.....	American	United Fruit Co	.....	.....	.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....	17	17

[1] Tanker. [9] Motor schooner. [10] Submarine. [11] Cotton, tobacco, and general. [12] Towing barge *No. 31022.*

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Urania [1 5]	12	1.45	13	6.16	13	16.00	13	17.00	Danzig	Standard Oil Co. of N. J.	470.0	63.0	25.11	Talara, Peru	Bahia Blanco, Arg.	Gasoline	11,103	9,011	5,928
India Arrow [1]	12	21.20	13	6.59	13	16.55	13	16.55	American	Standard Transp. Co.	468.3	62.7	27.6	San Francisco, Cal.	New York, N. Y.	Gasoline	11,400	10,084	7,426
Albertolite [1]	12	21.20	13	8.09	13	17.50	13	17.50	British	Imperial Oil Co., Ltd.	463.26	60.8	27.4	Talara, Peru	Charleston, S. C.	Crude oil	11,613	8,491	5,879
Deroche [1]	12	21.15	13	9.09	13	18.33	13	18.33	American	Union Oil Co. of Calif.	435.0	56.0	29.0	Los Angeles, Calif.	Philadelphia, Pa.	Gas oil	10,400	7,452	5,199
A. L. Kent	12	22.40	13	9.19	13	19.18	13	19.18	American	Mystic S. S. Co.	394.1	55.1	27.0	Vancouver, B. C.	Bristol, England	General	8,034	7,047	5,030
Witell	12	20.40	13	9.59	13	20.50	13	22.10	German	Roland Line	449.6	58.3	26.0	Vancouver, B. C.	Hamburg, Germany	(13)	7,391	7,816	5,755
Rapot	13	2.00	13	10.49	13	21.00	13	22.15	German	Roland Line	393.44	54.33	26.8	San Antonio, Chile	Hamburg, Germany	General	8,306	6,583	4,627

[1] Tanker [13] Fruit, lumber, and copper.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Hanley	13	5 29	13	11 26	13	21 52	13	21 52	American	Hanley S. S. Co.	440.0	56.0	22.6	Everett, Wash.	Baltimore, Md.	Lumber	9,159	8,301	5,995
Suncanco	13	10 15	13	13 11	13	22 35	13	23 50	American	Transmarine Lines	324.0	46 2	23.5	Aberdeen, Wash.	Port Newark, N. J.	Lumber	4,214	3,984	2,628
Sylvafield [1]	14	2 00	14	6 08	14	16 00	14	22 20	British	Hunting & Sons	395.0	52.5	25.6	Los Angeles, Calif.	Land's End, Eng.	Gasoline	7,295	5,900	3,993
Paisey [2]	13	14 55	14	7 18	14	17 03	14	17 03	American	C. D. Mallory & Co.	435.0	56.0	29.0	Los Angeles, Calif.	Ponce, R. P.	Crude oil	10,590	7,643	5,339
F. H. Wickett [3]	14	20 05	14	8 18	14	17 55	14	17 55	American	Houston Petroleum Co.	467.6	62 7	27.10	Los Angeles, Calif.	New York, N. Y.	Fuel oil	12,130	9,666	7,034
Victoria Maru	14	6 00	14	9 19	14	13 12	14	18 [illegible]	Japanese	Kawasaki Kisen Kaisha	385.0	51.0	27.0	Iquique, Chile	Charleston, S. C.	Nitrate	8,390	6,250	4,700
Santa Elisa	14	9 10	14	10 32	14	19 43	14	21 40	American	Grace Line	360.3	51 7	25.0	Talcahuano, Chile	New York, N. Y.	[10]	3,930	5,957	4,325
Scania [4]	13	15 30	14	10 32	14	19 55	15	13 50	Swedish	Sixto Posso	180 7	29.0	12.0	Buenaventura, Col.	Cristobal, C. Z.	General	724	720	421
Buffalo Bridge	13	2 15	14	11 07	14	20 25	14	20 25	American	Charles Nelson & Co.	324 9	46 3	25.0	Port Angeles, Wash.	Baltimore, Md.	Lumber, copper	4,995	3,985	2,630
Atto	14	10 40	14	12 07	14	22 05	15	17 10	German	Roland Line	360.64	51.0	17.0	Champerico, Guat.	Bremen, Germany	Coffee, sugar	3,301	4,805	3,390
Thomas P. Peal	14	11 00	14	12 48	14	22 20	15	5 20	American	U. S. & Austral'n Lines	394.0	55.0	14.0	Sydney, Australia	Boston, Mass.	Wool, general	1,000	7,047	5,100
John D. Archbold [5]	15	09 30	15	6 10	15	15 10	15	19 05	American	Standard Oil Co. of N.J.	554.9	75 3	31 4	Los Angeles, Calif.	New York, N. Y.	Crude oil	19,639	14,785	10,313
Yoshu Maru	14	17.35	15	7.23	15	19.08	15	19.08	Japanese	Yamashita S. S. Co.	410.46	54 0	25 9	Vancouver, B. C.	New York, N. Y.	Lumber	7,880	.....	.....
Canadian Pioneer	14	21 20	15	8.10	15	19 47	15	20 10	British	Can. Gov. Mer. Marine	400.0	52 0	16.0	Melbourne Aust'lia	Halifax, N. S.	General	753	5,877	4,070
Devon	15	00 50	15	9 19	15	21.15	16	17 15	British	Federal Steam Nav. Co.	473 3	57.9	24.6	N. Plymouth, N. Z.	Liverpool, England	Frozen, general	5,718	9,951	6,801
Arizonan	15	3 10	15	10 02	15	22 35	15	22 35	American	Amer.-Hawaiian Line	471.1	57 2	27.0	Portland, Oreg.	Boston, Mass.	General	7,794	9,141	6,684
DosHermanos [6]	15	8 30	15	9 55	15	19 00	16	.	Panaman	Isth. Land & Fruit Co.	35.0	12.0	5.0	El Real, R. P.	Cristobal, C. Z.	Bananas	.....	17	13
Lillian Luckenbach	15	10 00	15	10 40	15	21 50	15	21 50	American	Luckenbach Line	448.9	60.2	31.0	Portland, Oreg.	Boston, Mass.	Lumber, general	8,936	9,294	6,866
Alkmaar	15	10 15	15	12 05	15	23 20	16	1 55	Dutch	Royal Neth. W.I. Mail.	446.62	62.74	27.0	Corral, Chile	Hamburg, Germany	General	10,392	9,505	6,644
General G. W. Getty [16]	.....	.....	15	8.10	15	18 58	.	.	American	U. S. Army	98.0	22.0	.....	Balboa, C. Z.	Cristobal, C. Z.	.....	.....	.....	.....
Kenowis [17]	15	17 12	16	6 24	16	18 40	18	7.30	American	U. S. Army	390.0	54.2	17.0	San Francisco, Cal.	New York, N. Y.	[20]	15¼	.....	.....
Utacarbon [5]	15	19 45	16	7.17	16	19 59	18	1 10	American	Union Oil Co. of Calif.	435 0	56 0	28.9	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	10,643	7,482	5,209
Willpolo	16	2.30	16	8.17	16	20 18	16	20 18	American	Williams S. S. Line	386.8	52.2	26.0	Bellingham, Wash.	New York, N. Y.	Lumber, general	6,281	7,482	5,209
Fred W. Weller [5]	16	11 02	16	11 58	16	21 18	16	21 18	American	Standard Oil Co. of N. J.	500.0	62.0	29.6	Cabo Blanco, Peru	New York, N. Y.	Crude oil	16,430	10,928	7,710
Columbian	16	12.05	16	13 07	16	22.05	16	22 05	American	Amer.-Hawaiian Line	404.6	53.75	28.0	Seattle, Wash.	Boston, Mass.	General	6,387	6,760	4,450
Pacific Trader [18]	16	8 00	16	14 18	16	22 45	16	22.45	British	Furness, Withy & Co.	420 0	58.0	25.10	Vancouver, B. C.	Manchester, Eng.	General	7,966	7,905	5,869
Joseph Seep [5]	16	2 30	17	6 32	17	14 12	18	3.10	American	Standard Oil Co. of N.J.	429.3	59 2	25.6	San Francisco, Cal.	Porto Rico	Gasoline	6,619	7,825	5,616
San Rosendo [5]	16	15 15	17	7 06	17	14 53	17	14 53	British	Anglo-Mexican Pet. Co.	407.1	52.2	24.9	Los Angeles, Calif.	Land's End, Eng.	Gasoline	7,292	6,237	4,353
Strombo'i	16	15.45	17	7.57	17	16.08	17	20 20	Italian	Navigazione Generale Italiana.	400.2	52.2	25.6	Caleta Colosa, Chile	Genoa, Italy	Nitrate of soda	7,487	5,738	3,961
El Grillo [5]	16	16.20	17	8 23	17	16.35	17	17.25	British	W. C. T. Bowring & Co.	440.5	57.5	27.0	La Libertad, Ecu'or	Halifax, N. S.	Crude oil	9,575	7,468	5,042
Laurel	16	21.11	17	8.57	17	17.27	17	17.27	American	Columbia-Pac. Ship. Co.	410.5	52.2	26.0	Portland, Oreg.	Philadelphia, Pa.	[21]	7,117	6,756	4,874
Canadian Planter	16	20.30	17	9.11	17	18 35	17	21.05	British	Can. Gov. Mer. Marine	400.3	52.46	.....	Auckland, N. Z.	Halifax, N. S.	Wool, hides, gen.	1,582	5,858	4,108

[1] Tanker. [2] Motor ship. [3] Auxiliary motor schooner. [16] Tug. [17] U. S. Army transport. [18] Destroyer. [19] Copper, cotton, and lentils. [20] Government supplies and explosives.

[21] Lumber and empty ammonia drums.

Dalworth	17	2.00	17	10.10	17	19.05	17	20.00	British	R. S. Dalgliesh, Ltd.	400.0	52.5	25.0	San Francisco, Cal.	London, England	Barley	6,998	6,524	4,686
No. 314 [18]	16	15.59	17	10.16	17	20.18	17	21.55	American	U. S. Navy	310.0	30.11	12.0	High seas	Cristobal, C. Z.				
No. 315 [18]	16	10.13	17	10.21	17	20.18	17	21.55	American	U. S. Navy	310.0	30.11	12.0	High seas	Cristobal, C. Z.				
No. 317 [18]	16	9.40	17	10.26	17	20.18	17	21.55	American	U. S. Navy	310.0	30.11	12.0	High seas	Cristobal, C. Z.				
No. 319 [18]	15	16.20	17	10.33	17	20.18	17	21.55	American	U. S. Navy	310.0	30.11	12.0	High seas	Cristobal, C. Z.				
Dixie Arrow [1]	17	4.00	17	10.55	17	21.20	17	21.20	American	Standard Transp. Co.	468.3	62.7	28.0	Los Angeles, Calif.	New York, N. Y.	Gas oil	12,556	9,744	7,140
No. 316 [18]	16	12.45	17	11.27	17	21.50	17	21.55	American	U. S. Navy	310.0	30.11	12.0	High seas	Cristobal, C. Z.				
No. 318 [18]	16	7.35	17	11.27	17	21.50	17	21.55	American	U. S. Navy	310.0	30.11	12.0	High seas	Cristobal, C. Z.				
Walter Jennings [1]	16	20.00	17	13.58	17	22.50	19	7.55	American	Standard Oil Co. of N. J.	499.2	68.1	30.0	Los Angeles, Calif.	Cristobal, C. Z.	Fuel, Diesel oil	11,604		
No. 215 [18]	18	6.00	18	7.15	18	18.07	21	12.50	American	U. S. Navy	310.0	30.11	12.0	Nicaragua	Cristobal, C. Z.				
Point Fermin	18	6.40	18	7.25	18	18.15	18	18.15	American	Swayne & Hoyt	324.0	46.2	23.0	Anacortes, Wash.	New Orleans, La.	General	3,434	3,984	2,617
Hans Leonhardt [14]	18	6.30	18	8.29	18	19.15	20	7.45	German	Colombian Transp. Co.	230.8	36.08	14.3	Buenaventura, Col.	Cristobal, C. Z.	([23])	1,292½	1,568	909
Naples Maru	17	20.00	18	8.49	18	20.00	18	20.00	Japanese	Kokusai Kisen Kaisha	385.0	51.0	26.0	Vancouver, B. C.	Europe	Wheat	7,650	6,207	4,670
El Lobo [1]	18	10.30	18	11.12	18	21.04	19	00.15	British	C. T. Bowring	385.2	51.0	23.08	Lobitos, Peru	Fall River, Mass.	Crude oil	6,024	4,851	3,311
Lebore	19	1.30	19	6.10	19	16.52	19	16.52	American	Ore S. S. Corp.	549.65	72.25	34.6	Cruz Grande, Chile.	Baltimore, Md.	Iron ore	20,000	14,325	4,635
Gymeric [1]	19	00.30	19	6.50	19	18.05	20	7.00	British	Bank Line, Ltd.	420.3	54.6	26.0	Los Angeles, Calif.	Bowling, Scotland	Gasoline	8,692	6,501	4,459
F. H. Hillman [1]	18	17.30	19	7.29	19	18.27	20	3.25	American	Standard Oil Co. of Calif.	500.0	68.2	27.0	San Francisco, Cal.	London, England	Gasoline	14,300	11,225	7,913
Agwimars [1]	18	15.50	19	7.50	29	19.05	19	19.05	American	A. G. W. I. S. S. Lines	429.3	59.2	27.0	Los Angeles, Calif.	New York, N. Y.	Gas oil	10,517	7,596	5,209
Montana	18	20.00	19	8.14	19	21.15	20	22.35	French	French Line	412.0	51.0	25.6	Vancouver, B. C.	Havre, France	General	6,346	6,497	4,317
Drechtdijk [14]	18	20.30	19	8.57	19	22.03	20	6.10	Dutch	Holland-American Line.	485.06	63.28	29.10	Vancouver, B. C.	Rotterdam, Holland	General	9,232	10,793	7,619
Onondaga	18	22.30	19	9.10	19	22.45	19	22.45	American	Ford Motor Co.	251.0	43.5	20.9	Hoquiam, Wash.	New York, N. Y.	([24])	3,050	2,656	1,632
Prince Albert	16	12.10	19	9.27	19	22.45	20	12.30	British	Cen. Amer. Ship. Co.	232.0	30.0	13.6	Vancouver, B. C.	Avonmouth, Eng.	Lumber	301	1,076	567
Negada	19	6.30	19	9.39	20	00.01	20	15.40	German	Kosmos Line	410.82	50.68	25.6	Corral, Chile	Hamburg, Germany	General	6,631	6,402	4,463
Oropesa	19	3.50	19	10.27	19	20.40	19	23.15	British	Pacific Steam Nav. Co.	552.0	66.0	29.5	Corral, Chile	Liverpool, England	([25])	9,857	14,325	10,627
Volumnia	19	9.20	19	11.05	29	00.35	20	00.35	British	Gow, Harrison & Co.	423.0	56.0	24.6	Tocopilla, Chile	Land's End, Eng. [26]	Nitrate	8,476	6,229	4,524
Invergordon [1]	19	9.45	19	11.05	20	2.30	20	5.15	British	British-Mex. Pet. Co.	412.9	55.6	28.6	Los Angeles, Calif.	Southampton, Eng.	Fuel oil	8,655	7,116	4,438
Mineola	19	1.37	19	12.25	20	3.55	20	3.55	American	N. O. & S. A. S. S. Co.	298.6	40.0	20.6	Iquique, Chile	New Orleans, La.	Nitrate of soda	3,537	2,835	1,805
Iwatesan Maru	19	4.30	19	14.13	20	3.55	20	3.55	Japanese	Mitsui & Co.	385.0	51.0	27.1	Vancouver, B. C.	Malta, Italy	Bulk wheat	7,100	6,230	4,574
Nora	19	14.00	19	14.42	20	5.25	21	11.35	American	Grace Line	467.6	62.7	29.0	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	13,470	9,918	7,363
Ocean Eagle [22]	....	.....	19	12.48	20	.....	...	.....	Panaman	Luther Gordon	36.0	10.0	4.0	Balboa, C. Z.	Gatun Lake, C. Z.		.....	11	10

[1] Tanker. [22] Launch. [23] Coffee, hides, and hats. [24] Lumber and automobile parts. [25] Copper, metals, barley, borax, sugar, cotton, and oilcake. [26] For orders.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

*ARRIVALS.

Date.	Vessel.	Line.	From—
March 13	Parismina	United Fruit Co.	New Orleans via Habana.
March 13	St. Mihiel [27]	United States Army	New York via San Juan, Porto Rico.
March 14	Antillian	Leyland Line	Liverpool via wayports.
March 15	Rugia	Hamburg-American Line	Puerto Barrios via wayports.
March 15	Envoy [28]	Colon Import & Export Co.	Colon, R. P.

*DEPARTURES.

Date.	Vessel.	Line.	For—
March 13	Caledonia	Anchor Line	New York via wayports.
March 13	Puerto Rico	French Line	St. Nazaire via wayports.
March 13	Parismina	United Fruit Co.	Port Limon, Costa Rica.
March 13	Reliance	Hamburg-American Line	New York via wayports.
March 14	Lawrence [29]	U. S. Navy	High seas.
March 15	Antillian	Leyland Line	New Orleans via Port Limon.

[27] Transport. [28] Schooner. [29] Destroyer.

* Other than ships passing through the Canal.

MOVEMENTS OF OCEAN VESSELS.—Continued.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
March 16	Relay [30]	All America Cables	Kingston, Jamaica.	March 15	Envoy [28]	Colon Import & Export Co	Bluefields, Nicaragua.
March 16	Atenas	United Fruit Co	New Orleans via Habana	March 16	Parismina	United Fruit Co	New Orleans via Habana.
March 16	Parismina	United Fruit Co	Port Limon, Costa Rica.	March 16	Rugia	Hamburg-American Line	Hamburg via wayports.
March 16	Montroyal	Canadian Pacific Line	New York via wayports.	March 16	Nellie Moulton [31]	Surgeon Brothers	Colon, R. P.
March 16	Cristobal	Panama Railroad S. S. Line	New York via Haiti.	March 16	U. D. Vinton [28]	G. I. Bryan	Bluefields, Nicaragua.
March 16	Carrillo	United Fruit Co	New York via Kingston.	March 16	Inapaquina [31]	United Fruit Co	Colon, R. P.
March 16	Nellie Moulton [31]	Surgeon Brothers	Colon, R. P.	March 17	Carrillo	United Fruit Co	Colombian ports.
March 16	U. D. Vinton [28]	G. I. Bryan	Colon, R. P.	March 17	Sixaola	United Fruit Co	New York via Kingston.
March 16	Inapaquina [31]	United Fruit Co	Colon, R. P.	March 17	Atenas	United Fruit Co	New Orleans & wayports.
March 17	Favorita	Standard Fruit S. S. Co	New Orleans, La.	March 17	San Gil	United Fruit Co	Boston via wayports.
March 17	Sixaola	United Fruit Co	Colombian ports.	March 17	St. Mihiel [33]	U. S. Army	New York via San Juan, Porto Rico.
March 17	Ulua	United Fruit Co	New York via wayports.	March 17	Montroyal	Canadian Pacific Line	New York via wayports.
March 17	San Gil	United Fruit Co	Boston via wayports.	March 17	Venezuela	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
March 17	Venezuela	Royal Netherlands W. I. Mail	Amsterdam via wayports.	March 17	Favorita	Standard Fruit S. S. Co	San Blas, R. P.
March 18	Manaqui	United Fruit Co	Coast ports, R. P.	March 18	Manaqui	United Fruit Co	New Orleans & wayports.
March 18	Favorita	Standard Fruit S. S. Co	San Blas, R. P.	March 18	Ulua	United Fruit Co	New York via wayports.
March 19	Ariguani	Elders & Fyffes, Ltd	Avonmouth via wayports.	March 19	Favorita	Standard Fruit S. S. Co	New Orleans, La.
March 19	Concord [32]	U. S. Navy	Guantanamo, Cuba.	March 19	Ariguani	Elders & Fyffes, Ltd	Kingston, Jamaica.
March 19	Venezuela	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.	March 19	Flor de Panama [32]	A. Tagaropulos	Colon, R. P.
March 19	Flor de Panama [32]	A. Tagaropulos	Colon, R. P.	March 19	Existencia [32]	San Blas Development Corp	Colon, R. P.
March 19	Existencia [32]	San Blas Development Corp	Colon, R. P.				
March 19	Dobbin [34]	U. S. Navy	Guantanamo, Cuba.				
March 19	Whitney [34]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 232 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 243 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 244 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 233 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 249 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 248 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 242 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 240 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 326 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 288 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 290 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 328 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 295 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 329 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 199 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 289 [35]	U. S. Navy	Guantanamo, Cuba.				
March 19	No. 293 [35]	U. S. Navy	Guantanamo, Cuba.				

[30] Cable Ship. [31] Motor schooner. [32] Cruiser. [33] Transport. [34] Destroyer tender. [35] Destroyer. * Other than ships passing through the Canal. (Continued on page 440, column 2.)

Origin and Destination of Cargo Passing Through the Panama Canal, from the Atlantic to the Pacific, February, 1927.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.							Asia.					Australasia.				Grand totals.	Per cent of total cargo.
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America.	West coast of North America.[1]	Balboa.[2]	Hawaii.	Total, North America.	Japan.	China.	Philippines.	Far East.[1]	Total, Asia.	Australia.	New Zealand.	Australasia.[1]	Total, Australasia.		
North America:																								
United States—																								
North Atlantic ports	11,880	1,864	76	3,858	10,363	28,041	182,817	1,493	1,339	7,383	124	2,596	195,752	35,386	12,411	5,127	20,007	72,931	52,437	10,041	5,152	67,630	364,354	49.8
South Atlantic ports	.....	.....	.....	.....	.....	.....	1,965	.....	.....	.....	.....	.....	1,965	4,249	161	.....	4,651	9,061	.....	.....	.....	.....	11,026	1.5
Gulf ports	.....	118	.....	.....	1,397	1,515	44,717	4,718	.....	.....	.....	747	50,182	46,747	16,382	187	3,566	66,882	13,286	.....	.....	13,286	131,865	18.1
Totals, United States	11,880	1,982	76	3,858	11,760	29,556	229,499	6,211	1,339	7,383	124	3,343	247,899	86,382	28,954	5,314	28,224	148,874	65,723	10,041	5,152	80,916	507,245	69.4
Cristobal, C. Z.[2]	204	1,812	596	245	2,256	5,113	2,709	15	4,996	.....	.....	.....	7,720	.....	.....	.....	.....	.....	.....	.....	.....	.....	12,833	1.7
East coast of Canada	.....	.....	.....	.....	.....	.....	.....	1,410	.....	.....	.....	.....	1,410	2,693	.....	.....	.....	2,693	9,154	3,300	196	12,650	16,753	2.3
West Indies	.....	.....	.....	.....	.....	.....	9	.....	.....	.....	.....	.....	9	.....	22,194	.....	.....	22,194	.....	.....	.....	.....	22,203	3.1
Totals, North America	12,084	3,794	672	4,103	14,016	34,669	232,217	7,636	6,335	7,383	124	3,343	257,038	89,075	51,148	5,314	28,224	173,761	74,877	13,341	5,348	93,566	559,034	76.5
Europe:																								
British Isles	6,636	.....	.....	1,860	3,707	12,203	6,582	933	4,004	1,497	.....	.....	13,066	6,800	.....	.....	.....	6,800	.....	36,836	.....	36,836	68,905	9.4
Belgium	2,152	.....	.....	.....	968	3,120	18,169	1,460	.....	2,265	.....	.....	21,894	.....	.....	.....	.....	.....	.....	9,565	.....	9,565	34,579	4.7
France	2,191	.....	.....	230	222	2,643	2,103	14	.....	.....	.....	.....	2,117	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,760	0.7
Germany	.....	218	.....	492	557	1,267	671	123	621	.....	197	.....	1,612	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,879	0.4
Holland	.....	.....	.....	.....	.....	.....	3,046	550	.....	.....	.....	.....	3,596	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,596	0.5
Italy	.....	.....	.....	.....	1,033	1,033	521	.....	.....	.....	.....	.....	521	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,554	0.2
Norway and Sweden	2,244	.....	.....	.....	.....	2,244	1,500	.....	1,657	.....	.....	.....	3,157	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,401	0.7
Spain and Portugal	.....	.....	.....	.....	53	53	436	.....	.....	.....	.....	.....	436	.....	.....	.....	.....	.....	.....	.....	.....	.....	489	.....
Europe[1]	2,319	4,309	.....	.....	20,659	27,287	4,178	2,338	1,988	3,098	557	.....	12,159	.....	.....	.....	.....	.....	.....	.....	3,787	3,787	43,233	6.0
Totals, Europe	15,542	4,527	.....	2,582	27,199	49,850	37,206	5,468	8,270	6,860	754	.....	58,558	6,800	.....	.....	.....	6,800	.....	46,401	3,787	50,188	165,396	22.6
East coast of South America	.....	21	.....	.....	3	24	5,979	.....	.....	.....	.....	.....	5,979	174	.....	.....	565	739	.....	.....	.....	.....	6,742	0.9
Grand totals	27,626	8,342	672	6,685	41,218	84,543	275,402	13,104	14,605	14,243	878	3,343	321,575	96,049	51,148	5,314	28,789	181,300	74,877	59,742	9,135	143,754	731,172	100.0
Per cent of total cargo:																								
February, 1927	3.8	1.2	.....	0.9	5.7	11.6	37.7	1.8	2.0	1.9	0.1	0.4	43.9	13.1	7.0	0.7	4.0	24.8	10.3	8.1	1.3	19.7	100.0	.....
February, 1926	2.5	0.1	0.3	0.1	14.6	17.6	40.5	0.6	1.9	0.3	.....	2.2	45.5	7.4	3.4	1.1	6.2	18.1	5.4	11.5	1.9	18.8	100.0	.....
February, 1925	1.8	.....	0.2	0.3	13.7	16.0	38.0	1.9	2.2	6.0	0.2	1.5	49.8	4.9	0.9	0.6	13.2	19.6	5.6	3.5	5.5	14.6	100.0	.....

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, February, 1927.

(Figures represent tons of 2,240 pounds.)

From—	North America. United States. North Atlantic ports.	North America. United States. South Atlantic ports.	North America. United States. Gulf ports.	North America. United States. Total, United States.	North America. East coast of Canada.	North America. West Indies.	North America. East coast Mexico	North America. Cristobal, C. Z.[2]	North America. Total, North America.	Europe. British Isles.	Europe. Belgium.	Europe. Denmark.	Europe. France.	Europe. Germany.	Europe. Holland.	Europe. Italy.	Europe. Norway and Sweden.	Europe. Spain and Portugal.	Europe. Europe.[1]	Europe. Total, Europe.	East coast of South America.	Grand totals.	Per cent of total cargo.
South America:																							
Chile	155,370	8,607	29,514	193,491	.....	250	.....	292	194,039	17,068	9,129	.....	1,472	14,708	553	8,431	.....	7,218	53,266	111,845	.....	305,884	20.4
Colombia	1,441	.....	.....	1,441	.....	.....	.....	3,276	4,717	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,717	0.3
Ecuador	.....	.....	.....	.....	.....	.....	.....	941	941	.....	.....	.....	.....	236	.....	57	.....	.....	300	593	.....	1,534	0.1
Peru	23,787	.....	.....	23,787	.....	.....	.....	1,481	25,268	22,157	1,971	.....	.....	248	3,757	.....	.....	.....	7,308	35,441	.....	60,709	4.0
West coast So. Amer.[1]	8,084	.....	.....	8,084	.....	.....	.....	804	8,888	834	.....	.....	.....	.....	.....	.....	.....	.....	6,694	7,528	.....	16,416	1.1
Totals, So. Amer.	188,682	8,607	29,514	226,803	.....	256	.....	6,794	233,853	40,059	11,100	.....	1,472	15,192	4,310	8,488	.....	7,218	67,568	155,407	.....	389,260	25.9
North America:																							
West coast of Canada	23,532	.....	875	24,407	.....	1,523	.....	60	25,990	30,828	1,500	4,000	5,008	.....	3,000	14,554	5,800	90	36,084	100,864	324	127,178	8.5
West coast Cen. Am.	1,991	.....	.....	1,991	.....	.....	.....	5,204	7,195	.....	.....	.....	.....	2,460	79	.....	535	.....	2,592	5,666	.....	12,861	0.8
West coast of U. S.	525,862	9,594	15,388	550,844	30,793	12,912	1,667	57,201	653,417	60,328	14,523	150	295	13,985	14,361	240	2,665	.....	57,889	164,436	12,214	830,067	55.4
Hawaii	.....	.....	200	200	.....	.....	.....	.....	200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	200	.....
West coast N. Am.[2]	8,302	.....	1,216	9,518	.....	2,504	.....	346	12,368	584	.....	.....	.....	.....	.....	.....	.....	.....	14,917	15,501	38	27,907	1.9
Totals, N. Amer.	559,687	9,594	17,679	586,960	30,793	16,939	1,667	62,811	699,170	91,740	16,023	4,150	5,303	16,445	17,440	14,794	9,000	90	111,482	286,467	12,576	998,213	66.6
Asia:																							
China	826	.....	.....	826	.....	.....	.....	.....	826	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	826	.....
Japan	130	.....	.....	130	.....	.....	.....	.....	130	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	130	.....
Philippines	23,637	.....	5,552	29,189	.....	.....	.....	.....	29,189	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29,189	2.0
Far East[1]	1,402	.....	.....	1,402	.....	6,117	.....	.....	7,519	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,057	6,057	.....	13,576	0.9
Totals, Asia	25,995	.....	5,552	31,547	.....	6,117	.....	.....	37,664	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,057	6,057	.....	43,721	2.9
Australasia:																							
Australia	.....	.....	.....	.....	3,530	.....	.....	.....	3,530	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,530	0.2
New Zealand	1,779	.....	.....	1,779	764	.....	.....	.....	2,543	51,937	.....	.....	.....	.....	.....	.....	.....	.....	.....	51,937	.....	54,[illegible]	3.8
Australasia[1]	.....	.....	.....	.....	.....	3,341	.....	.....	3,341	.....	.....	.....	.....	.....	.....	.....	6,400	.....	.....	6,400	.....	9,741	0.6
Totals, Australasia	1,779	.....	.....	1,779	4,294	3,341	.....	.....	9,414	51,937	.....	.....	.....	.....	.....	.....	6,400	.....	.....	58,337	.....	67,751	4.6
Grand totals	776,143	18,201	52,745	847,089	35,087	26,653	1,667	69,605	980,101	183,736	27,123	4,150	6,775	31,637	21,750	23,282	15,400	7,308	185,107	506,268	12,576	1,498,945	100.0
Per cent of total cargo:																							
February, 1927	51.8	1.2	3.5	56.5	2.3	1.9	0.1	4.6	65.4	12.2	1.9	0.3	0.4	2.1	1.4	1.6	1.0	0.5	12.4	33.8	0.8	100.0	.....
February, 1926	41.1	3.7	10.4	65.9	.....	0.1	.....	1.8	67.8	15.2	0.7	.....	0.9	1.6	0.2	0.1	1.1	0.1	12.3	32.2	.....	100.0	.....
February, 1925	54.5	8.1	5.0	67.6	0.5	0.4	2.1	2.1	72.7	12.3	.....	0.1	0.8	1.7	.....	.....	0.6	0.3	10.3	26.1	1.2	.....	.....

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

United States Intercoastal Traffic by Commodities for February, 1927.

The following table shows the cargo carried through the Canal in the United States intercoastal trade, segregated by commodities and by direction, with the totals for February, 1926, and 1925. Cargo statistics are compiled from cargo declarations submitted by masters of vessels, and in these declarations small items are frequently grouped under the designation of "General Cargo." These statistics are accordingly not precise, but they are indicative of the kind and quantity of the cargo in transit through the Canal. The figures represent tons of 2,240 pounds and are for the United States intercoastal trade only:

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Agricultural implements	1,035		1,035
Asphalt		35	35
Automobiles	32	21	53
Automobile accessories	963	9	972
Beans		5,514	5,514
Borax		622	622
Calcium carbide	70		70
Canned goods:			
Fish	980	6,011	6,991
Fruit	218	22,595	22,813
Meat		145	145
Milk		1,844	1,844
Soup	1,293	1,100	2,393
Vegetables	350	3,397	3,747
Other		2,775	2,775
Cement	1,676	200	1,876
Chemicals	488	329	817
Coal	4,776		4,776
Cold storage:			
Cheese		20	20
Lard	1,723		1,723
Tallow		20	20
Confectionery	196		196
Cotton	245	4,122	4,367
Drugs	690		690
Earthenware	111		111
Explosives	2,260		2,260
Fertilizer	150		150
Flour		3,848	3,848
Fruit, dried		5,411	5,411
Furniture	505		505
General	77,374	30,784	108,158
Glass	613	186	799
Hardwoods	400		400
Hay		1,723	1,723
Hemp		725	725
Honey		27	27
Hops		32	32
Linoleum	839		839
Lumber	1,147	146,064	147,211
Manufactured goods:			
Iron and steel	87,390	970	88,360
Machinery	3,853	167	4,020
Railroad material	592		592
Textiles	1,746	33	1,779
Other	2,035		2,035
Metals:			
Copper		5,213	5,213
Lead	100	500	600
Scrap	175	100	275
Tin	5,701		5,701
Other		3,199	3,199
Musical instruments	120		120
Nitrates	205		205
Oils:			
Crude		80,258	80,258
Gas and fuel oil		119,398	119,398
Gasoline, benzine and naphtha		94,020	94,020
Lubricating and greases	1,815		1,815
Vegetable	800		800
Ores:			
Magnesite		2,685	2,685
Manganese	90		90
Paint	171		171
Paper	5,436	1,367	6,803

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Paper roofing	243		243
Phosphates	1,900		1,900
Rice	300	419	719
Rosin	204		204
Rubber, manufactured	351	10	361
Seeds, cotton		200	200
Shells, oyster	280		280
Silk		50	50
Skins and hides	210	2,578	2,788
Soap	1,431		1,431
Soda	200		200
Soda, ash	604		604
Soda, caustic	48		48
Sugar	450	1,000	1,450
Sulphur	12,845		12,845
Tobacco	2,070		2,070
Wheat		150	150
Wool		968	968
Totals, February, 1927	229,499	550,844	780,343
Totals, February, 1926	192,757	610,059	802,816
Totals, February, 1925	195,777	520,160	715,937

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending March 19, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Buenaventura	Panama Railroad S. S. Line		March 13		1,549
Puerto Rico	French Line		March 13		562
Parismina	United Fruit Co	March 13	March 13	633	101
Ucayali	Peruvian Line		March 14		685
Antillian	Leyland Line	March 14	March 15	582	(1)
Siris	Royal Mail S. P. Co	March 14	March 15	24	(1)
Scania	Colombian Transport Co	March 14	March 15	724	(1)
Atto	Roland Line	March 14	March 15	232	35
Santa Elisa	Grace Line	March 14	March 14	(2)	55
London Merchant	Furness, Withy & Co	March 14	March 16	6	443
Envoy	R. Feuillebois	March 15	March 15	(2)	21
Devon	Federal Steam Navigation Co	March 15	March 16	37½	(1)
Rugia	Hamburg-American Line	March 15	March 16	5	1,522
Dos Hermanos	Isthmian Land & Fruit Co	March 15	March 16	7½	(1)
Spreewald	Hamburg-American Line	March 15	March 18	1,240	641
Nellie Moulton	Surgeon Brothers	March 16	March 16	(2)	60
U. D. Vinton	A. N. Bryan	March 16	March 16	(2)	24
Parismina	United Fruit Co	March 16	March 16	8	397
Carrillo	United Fruit Co	March 16	March 17	381	54
Cristobal	Panama Railroad S. S. Line	March 16		3,690	
Atenas	United Fruit Co	March 16	March 17	614	(1)
Utacarbon	Union Oil Co	March 16	March 18	10,643	(1)
Sixaola	United Fruit Co	March 17	March 17	3	125
Joseph Seep	Standard Oil Co	March 17	March 18	484	(1)
Venezuela	Italian Line	March 17	March 18	35	7½
Venezuela	Royal Netherlands W. I. Mail	March 17	March 17	(3)	(1)
Favorita	Standard Fruit S. S. Co	March 17	March 17	100	6
San Gil	United Fruit Co	March 17	March 17	¾	4
Walter Jennings	Standard Fruit S. S. Co	March 17	March 19	11,604	(1)
Ulua	United Fruit Co	March 17	March 18	220	268
Stella	Panama Mail S. S. Co		March 18		581
Hans Leonhardt	Colombian Transport Co	March 18		1,292	
Corinto	Panama Mail S. S. Co		March 19		1,588
Santa Tecla	N. O. & S. A. S. S. Line	March 19		25	
Negada	Kosmos Line	March 19		30	
Montana	French Line	March 19		242	
Notre Dame de Fouviere	French Line	March 19		24	
Venezuela	Royal Netherlands W. I. Mail	March 19		7	
Feltre	Nav. Libera-Triestina	March 19		100	
Oropesa	Pacific Steam Navigation Co	March 19	March 19	19	(1)
Ariguani	Elders & Fyffes, Ltd	March 19	March 19	(4)	(1)
Favorita	Standard Fruit S. S. Co	March 19	March 19	(2)	367

(1) No cargo laded. (2) No cargo discharged. (3) 2 cases. (4) 20 packages.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending March 19, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Ucayali	Peruvian Line	March 14	March 15		149
Scania	Ameln Bros	March 15	March 15		72
Chateau Thierry	U. S. Government	March 15	March 15		1
Joseph Seep	Standard Oil Co	March 16	March 17	2,717	
Walter Jennings	Standard Oil Co	March 16	March 17	4,310	
Stella	Alf. Jakhelln	March 18	March 18		1
Corinto	Panama Mail S. S. Co	March 19	March 19		21
Hampton Roads	Oil Transport Co	March 19	March 20	10,896	

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.15 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $9.00 per ton of 2,240 pounds at Cristobal, and $12.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $9.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $10.00 per ton at Cristobal, $13.00 at Balboa. If less than 50 tons is taken from lighters, prices are $12.00 per ton at Cristobal and $15.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $10.00 Cristobal and $13.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity.. 72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1 20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage in such cases, as provided in Paragraph 4, Item 3, of the tariff, and for handling lines in accordance with Item 4, of the tariff.

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

MOVEMENTS OF OCEAN VESSELS.—Continued from page 434.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.

Date.	Vessel.	Line.	From—
March 19.	No. 327 [16]	U. S. Navy	Guantanamo, Cuba.
March 19.	No. 294 [16]	U. S. Navy	Guantanamo, Cuba.
March 19.	No. 292 [16]	U. S. Navy	Guantanamo, Cuba.
March 19.	No. 239 [16]	U. S. Navy	Guantanamo, Cuba.

[16] Destroyer.

* DEPARTURES.

Date.	Vessel.	Line.	For—
March 14.	Agnes E. [17]	Pacific Fruit Co.	Panama Bay, R. P.
March 15.	Pathfinder [17]	Mrs. L. G. Salkey.	Panama Bay, R. P.
March 18.	Bokuyo Maru	Nippon Yusen Kaisha	Hongkong, China.
March 19.	Hampton Roads	Oil Transport Co	

[17] Motor schooner

PORT OF BALBOA.

Date.	Vessel.	Line.	From—
March 14.	Agnes E. [17]	Pacific Fruit Co	Panama Bay, R. P.
March 15.	Pathfinder [17]	Mrs. L. G. Salkey.	Panama Bay, R. P.
March 18.	Bokuyo Maru	Nippon Yusen Kaisha	Valparaiso, Chile.
March 19.	Hampton Roads	Oil Transport Co	Los Angeles, Calif.

Date.	Vessel.	Line.	For—
March 14.	Agnes E. [17]	Pacific Fruit Co.	Panama Bay, R. P.
March 15.	Pathfinder [17]	Mrs. L. G. Salkey.	Panama Bay, R. P.
March 19.	Bokuyo Maru	Nippon Yusen Kaisha	Hongkong, China.

[17] Other than ships passing through the Canal.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., March 30, 1927. No. 34.

Visit of Vice President Dawes and Party.

The Honorable Charles G. Dawes, Vice President of the United States, arrived at Cristobal on the morning of March 24 from Havana, accompanied by Mrs. Dawes and a small party of friends. The party was met on arrival of the vessel by Governor M. L. Walker of The Canal, Gen. Charles H. Martin, Commanding The Panama Canal Department, Admiral George Day, Commandant of the Fifteenth Naval District, Dr. John G. South, American Minister to Panama, and other officials of The Canal and the Republic of Panama.

Vice President Dawes was the guest of General Martin during his stay on the Isthmus. The party left for Havana on the afternoon of March 30 on the United Fruit Company's steamer *Cartago*.

Passing of the Steamship "Kroonland."

Shipping journals recently received on the Isthmus announce the passing of the former Red Star liner *Kroonland*. After delivering cargo on the last sailing from New York to Antwerp the vessel was handed over to a firm in Genoa for breaking up.

The *Kroonland* was built in 1902, at Philadelphia, and when launched was rated as the largest American steamship afloat. She is 560 feet in length, between perpendiculars, has a beam of 60.2 feet, and her registered gross and net tonnages are 11,933 and 7,055 tons, respectively. She is a sister ship of the *Finland*, which is still in service.

The *Kroonland* first transited the Canal on February 2, 1915, and made 6 transits of the Canal during that year. She did not again appear in Canal traffic until October 25, 1923, and from that time until her last transit on June 24, 1925, made a total of 22 transits, all in the United States intercoastal trade. During that period the *Kroonland* carried 60,462 tons of cargo and 6,461 passengers through the Canal.

Including the 6 transits in 1915, total tolls charged against this vessel aggregated $255,992.10.

The *Kroonland* was operated in the intercoastal trade by the Panama Pacific line. Vessels now engaged in intercoastal trade by this line are the *Manchuria*, *Mongolia*, and *Finland*. It is proposed to build three new vessels in the United States for this line, and it is expected that the first of them will be ready for service about the latter part of October, 1927.

Ship's Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

CANAL WORK IN FEBRUARY, 1927.

The following is the report of the Governor to the Secretary of War, of Canal work in the month of February, 1927:

BALBOA HEIGHTS, C. Z., *March 21, 1927.*

The Honorable, the Secretary of War,
Washington, D. C.

SIR: I have the honor to submit the following report covering operations of The Panama Canal during the month of February, 1927:

NUMBER OF TRANSITS.

During the month 449 commercial vessels transited the Canal. In addition to these, 28 nonseagoing launches, measuring under 20 tons, and 38 vessels belonging to or chartered by the United States Government, transited the Canal. In addition to the above there was one transit solely for repairs, on which no tolls were collected, making a total of 516 transits for the month, or a daily average of 18.42.

Tolls on the 449 commercial vessels amounted to $1,994,860.82, and on the launches to $142.41, making a total tolls collection for the month of $1,995,003.23, or a daily average on all traffic of $71,250.11. The average amount of tolls paid by each of the commercial transits was $4,442.89, as compared with $4,480.27 for the month of January, 1927.

The total number of craft of all kind transiting the Canal during the month of February, as compared with the same months in 1926 and 1925, is shown in the following tabulation:

	February, 1927.	February, 1926.	February, 1925.
Commercial vessels	449	424	379
Noncommercial vessels, Army and Navy	38	105	70
Launches (under 20 tons measurement)	28	12	13
For repairs	1	2	5
Totals	516	543	467

In addition to the vessels listed above, Panama Canal equipment consisting of dredges, tugs, barges, etc., was passed through the locks as follows:

	North-bound.	South-bound.	Total.
Gatun	9	13	22
Pedro Miguel	28	26	54
Miraflores	29	27	56
Totals	66	66	132

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tolls, and tons of cargo carried by vessels transiting the Canal each month from the beginning of the fiscal year 1927, to the end of February, 1927, as compared with the same months in the previous year:

Month.	Number of vessels.		Panama Canal net tonnage.		Tons of cargo.		Tolls.	
	1925–6	1926–7	1925–6.	1926–7.	1925–6.	1926–7.	1925–6.	1926–7.
July	418	456	1,951,295	2,154,821	1,960,654	2,185,527	$1,800,239.84	$1,980,719.67
August	372	464	1,779,627	2,230,905	1,912,217	2,321,697	1,657,893.90	2,055,041.91
September	388	446	1,831,039	2,186,804	1,891,988	2,239,547	1,692,723.11	2,019,626.42
October	410	445	1,955,485	2,124,519	2,009,171	2,374,711	1,826,314.64	1,989,213.93
November	424	428	2,028,034	2,032,488	2,023,398	2,272,449	1,870,087.68	1,889,001.11
December	462	458	2,257,409	2,135,002	2,358,170	2,310,270	2,111,896.53	1,996,036.72
January	479	443	2,300,187	2,121,631	2,346,643	2,241,765	2,103,368.29	1,984,760.71
February	424	449	1,991,127	2,201,328	2,139,207	2,230,107	1,835,226.47	1,994,860.82
Totals	3,377	3,589	16,094,203	17,187,498	16,641,448	18,176,073	14,897,750.46	15,909,261.29

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States Government, including merchant vessels chartered by the Government, do not pay tolls. Shipping Board vessels in commercial service pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

The following is a summary of the commercial traffic for February, 1927, as compared with the corresponding month in 1926 and 1925, and the monthly average for the calendar year 1926:

	February, 1927.	February, 1926.	February, 1925.	Average per month for calendar year 1926.
Number of vessels	449	424	379	451
United States net tonnage	1,710,273	1,560,603	1,407,862	1,687,875
Panama Canal net tonnage	2,201,328	1,991,127	1,789,447	2,153,020
Registered gross tonnage	2,791,577	2,524,916	2,270,635	2,753,689
Registered net tonnage	1,714,276	1,564,764	1,412,819	1,694,149
Tolls	$1,994,860.82	$1,835,226.47	$1,648,964.88	$1,991,795.00
Tons of cargo carried	2,230,107	2,139,207	1,839,619	2,298,896

The average daily number of transits, tonnage, tolls, and cargo, are shown in the following statement, in comparative form, commercial vessels only:

	Average per day.			Average per day for calendar year 1926.
	February, 1927.	February, 1926.	February, 1925.	
Number of transits	16.03	15.14	13.53	14.84
Panama Canal net tonnage	78,618	71,111	63,909	70,784
Tolls	$71,245.02	$65,543.80	$58,891.60	$65,483.67
Tons of cargo carried	79,646	76,400	65,701	75,578

AVERAGE TONNAGE, TOLLS, AND TONS OF CARGO PER VESSEL.

The average tonnage, tolls, and cargo per vessel transiting the Canal during the month of February, 1927, as compared with February, 1926, and February, 1925, are shown in the following tabulation:

	Average per vessel.		
	February, 1927.	February, 1926.	February, 1925.
United States equivalent net tonnage	3,809	3,680	3,715
Panama Canal net tonnage	4,902	4,695	4,721
Registered gross tonnage	6,217	5,955	5,991
Registered net tonnage	3,822	3,690	3,728
Tolls	$4,442.89	$4,326.36	$4,350.83
Tons of cargo (including vessels in ballast)	4,966	5,045	4,954
Tons of cargo (laden vessels only)	6,317	6,147	5,992

TOLLS.

At present, tolls are collected at rates of $1.20 per ton for laden vessels and $0.72 per ton for vessels in ballast, computed on the basis of The Panama Canal rules of measurement, with the provision that tolls shall not exceed $1.25 per ton nor be less than $0.75 per ton as determined in accordance with the United States rules for the measurement of net registered tonnage. In order to ascertain the proper tolls charges, it is necessary, therefore, that the net tonnage of vessels transiting the Canal be determined both in accordance with the Panama Canal and the United States rules of measurement.

Taking the traffic through the Canal for the month of February, 1927, the following tabulation shows a comparison of tolls actually collected under the present method of assessing tolls, and the tolls that would have been collected on the basis of The Panama Canal rules of measurement at the proposed rates of $1 laden and $0.60 ballast, with transits for the month segregated by flag:

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
Belgian	$10,419.25	$8,793.20		$1,626.05
British	609,537.58	623,332.60	$13,795.02	
Chilean	8,955.50	9,551.00	595.50	
Colombian	603.10	510.00		93.10
Danish	17,198.43	17,982.40	783.97	
Danzig	6,508.75	5,927.00		581.75

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
Dutch	$20,458.75	$25,259.00	$4,800.25	.....
Ecuadorian	368.40	307.00	.....	$61.40
French	35,382.50	35,253.00	.....	129.50
German	75,669.07	80,995.80	5,326.73	.....
Italian	36,135.80	34,053.00	.....	2,082.80
Japanese	80,913.85	77,763.00	.....	3,150.85
Norwegian	74,568.05	76,752.00	2,183.95	.....
Panaman	3,551.76	5,304.80	1,753.04	.....
Peruvian	5,622.30	7,447.00	1,824.70	.....
Spanish	13,681.35	14,740.00	1,058.65	.....
Swedish	20,779.37	22,837.60	2,058.23	.....
United States	967,238.59	959,226.00	.....	8,012.59
Yugoslav	7,268.42	6,777.60	.....	490.82
Totals	1,994,860.82	2,012,812.00	34,180.04	16,228.86

The decrease on vessels of United States registry would have been made up, with respect to channels of trade in which the vessels were engaged, as follows:

United States intercoastal trade	$8,684.84
United States foreign trade	[1] 3,037.02
United States–Canal Zone trade	2,364.77
Totals	8,012.59

[1] Indicates increase under proposal rates.

RATIO OF CARGO TONNAGE TO NET TONNAGE.

The ratio of cargo tonnage to net tonnage, Panama Canal measurement, of vessels transiting the Panama Canal in February, 1927, is shown in the following tabulation, segregated by nationality of vessels and direction of transit. Laden vessels only are included:

Nationality.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Belgian	.....	1.90	1.90
British	.77	1.26	.99
Chilean	.35	1.11	.72
Colombian	1.45	1.75	1.60
Danish	1.09	1.72	1.49
Danzig	.....	1.98	1.98
Dutch	.74	1.43	1.22
Ecuadorian	2.23	.....	2.23
French	.54	1.57	.96
German	1.17	1.57	1.42
Italian	.58	1.29	.98
Japanese	1.22	1.70	1.38
Norwegian	1.07	1.70	1.45
Panaman	1.08	.89	.98
Peruvian	.50	.48	.49
Spanish	.04	1.13	.51
Swedish	1.38	3.43	2.85
United States	1.11	1.73	1.45
Yugoslav	.....	1.91	1.91
Average, February, 1927	.92	1.59	1.28
Average, February, 1926	.88	1.63	1.32
Average, February, 1925	.91	1.56	1.27

CLASSIFICATION OF VESSELS.

A further classification of commercial vessels passing through the Canal during the month of February, 1927, is as follows:

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Tank ships:						
Laden	.....	.....	.....	44	255,772	$260,493.75
Ballast	60	359,733	$260,048.31	.....	.....	.....
General cargo ships:						
Laden	158	776,323	723,819.49	150	682,018	654,455.20
Ballast	29	104,444	75,363.96	1	5,442	3,918.24
Noncargo-carrying vessels:						
Passenger	1	15,925	13,208.75	.....	.....	.....
Naval	1	.....	2,350.00	.....	.....	.....
Yachts	3	1,028	740.16	2	643	462.96
Totals	252	1,257,453	1,075,530.67	197	943,875	919,330.15
Method of propulsion:						
Steam	219	1,141,505	981,517.60	166	817,821	798,373.03
Motor	23	114,515	92,712.84	25	123,884	118,473.75
Motor (schooners)	7	1,171	1,103.73	5	524	508.17
Nonfuel-burning	3	262	196.50	1	1,646	1,975.20
Totals	252	1,257,453	1,075,530.67	197	943,875	919,330.15

Of the 385 steam-driven vessels, 254 were oil-burning, 126 coal-burning, and 5 burned either coal or oil.

NONCOMMERCIAL TRAFFIC.

The following statement shows the tonnage and the amount of cargo carried by vessels transiting the Panama Canal free of tolls during the month of February, 1927. If tolls had been assessed against these vessels at commercial rates, the amount collected would have been approximately as indicated:

Class and nationality.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of transits.	Tonnage.	Tolls.	No. of transits.	Tonnage.	Tolls.
U. S. Naval vessels:						
Cargo ships	.....	.....	.....	1	[3] 3,434	$4,292.50
Cruisers	5	[1] 37,500	$18,750.00	3	[1] 23,900	11,950.00
Destroyers	.....	.....	.....	1	[1] 1,308	654.00
Launches	2	[2] 10	7.20	.....	.....	.....
Mine sweepers	3	[1] 2,850	1,425.00	4	[1] 3,800	1,900.00
Submarines	6	[1] 3,120	1,560.00	4	[1] 2,080	1,040.00
Transports	.....	.....	.....	1	[2] 3,908	4,689.60
Tugs	1	[1] 1,000	500.00	1	[1] 1,000	500.00
U. S. Army vessels:						
Launches	1	[2] 5	3.60	.....	.....	.....
Mine planters	1	[1] 1,208	604.00	.....	.....	.....
Transports	1	[3] 3,908	4,885.00	1	[2] 5,212	6,254.40
Tugs	1	[1] 1,000	500.00	1	[1] 1,000	500.00
For repairs:						
General cargo	.....	.....	.....	1	[1] 323	403.75
Totals	21	.....	28,234.80	18	.....	32,184.25

[1] Indicates displacement tonnage. [2] Indicates Panama Canal net tonnage. [3] Indicates United States net tonnage.

The foregoing noncommercial vessels transiting the Canal during the month of February, 1927, carried cargo as follows:

	Tons.
Atlantic to Pacific	613
Pacific to Atlantic	81
Totals	694

The following statement shows the number of launches transiting the Canal during the month of February, 1927. These launches, although paying tolls, are excepted from statements concerning commercial traffic:

	Number.	Tonnage.	Tolls.
Atlantic to Pacific	22	127	$107.37
Pacific to Atlantic	6	41	35.04
Totals	28	168	142.41

STATEMENT OF TERMINAL OPERATIONS.

Details of the business transacted at the Atlantic and Pacific terminals of the Panama Canal during the month of February, 1927, are shown in the following tabulation:

		Cristobal.	Balboa.	Total.
Local cargo arriving	tons	125,572	69,201	194,773
Local cargo shipped	tons	5,709	373	6,082
Transit cargo arriving	tons	2,160,529	2,224,645	4,385,174
Transit cargo clearing	tons	2,171,590	2,209,232	4,380,822
Cargo received for transshipment	tons	28,634	338	28,972
Cargo transshipped	tons	29,071	107	29,178
Vessels supplied with bunker coal:				
Commercial, other than Panama Railroad Company		73	7	80
United States Army		1	.....	1
Totals		74	7	81
Coal supplied to above vessels:				
Commercial, other than Panama Railroad Company	tons	30,408	149	30,557
United States Army	tons	32	.....	32
Totals	tons	30,440	149	30,589
Coal issued, miscellaneous:				
Panama Canal departments	tons	155	5	160
U. S. Army, excepting vessels	tons	105	.....	105
Individuals and companies	tons	142	.....	142
Panama Railroad Company	tons	11	.....	11
Transferred to Navy	tons	1,315	.....	1,315
Total issues and sales	tons	32,168	154	32,322
Coal on hand, March 1, 1927	tons	72,025	.....	72,025
Coal on hand, February 1, 1927	tons	51,227	.....	51,227
Coal received during month	tons	52,966	.....	52,966
Coal received from Navy	tons	.....	154	154
Fuel oil issued from Panama Canal tanks:				
Panama Canal departments	bbls	7,739.41	19,316.62	27,056.03
Panama Railroad Company	bbls	659.88	.....	659.88
Army and Navy	bbls	603.90	170.09	773.99
Individuals and companies	bbls	.....	115.95	115.95
Total issues and sales	bbls	9,003.19	19,602.66	28,605.85
Fuel oil received during February, 1927	bbls	68,784.74	67,952.30	136,737.04
Fuel oil on hand, March 1, 1927	bbls	66,680.80	87,943.71	154,624.51
Diesel oil sold during February, 1927	bbls	68.90	.....	68.90
Diesel oil on hand, March 1, 1927	bbls	29,142.14	303.84	29,505.98
Miscellaneous transfers	bbls	.....	967.85	967.85
Gasoline and kerosene pumped for The Panama Canal	bbls	1,650.76	3,032.33	4,683.09
Gasoline pumped for individuals and companies	bbls	.....	4,194.23	4,194.23
Oil pumped for individuals and companies	bbls	703,516.35	707,241.89	1,410,758.24
Total fuel oil, gasoline, and kerosene handled	bbls	783,023.94	802,991.26	1,586,015.20
Admeasurement of vessels:				
U. S. equivalent certificates issued		20	5	25
Measured for Panama Canal net tonnage		5	3	8
Remeasured for Panama Canal net tonnage		20	1	21
Panama Canal net tonnage corrected		7	1	8
U. S. equivalent tonnage corrected		15	3	18
Services of harbor equipment:				
Tugs, total operating hours		524½	424	948½
Launches, total operating hours		1,503	1,572	3,075
Scows, total operating days			123	123
Revenue from tug service, pilotage, etc.:				
Tug revenue		$15,467.50	$14,058.75	$29,526.25
Pilotage		18,420.00	8,112.00	26,532.00
Seamen		11,708.00	9,256.00	20,964.00
Launch service		2,248.00	3,215.50	5,463.50
Wharfage		14,535.08	4,888.60	19,423.68
Ships measured		165.00	80.00	245.00
Miscellaneous cash collections		843.95	453.50	1,297.45
Ships repaired at Panama Canal shops:				
Commercial		57	17	74
U. S. Army and Navy		20	3	23
Panama Canal equipment		8	14	22

	Cristobal.	Balboa.	Total.
Vessels dry docked:			
Commercial	8	2	10
U. S. Army and Navy	1	.....	1
Panama Canal equipment	.....	4	4
Clearances issued	244	257	501
Bills of health issued	249	265	514

ALL VESSELS ENTERING AND CLEARING PORT.

	Port of Cristobal.			Port of Balboa.		
	No. of ships.	Registered gross tonnage.	Registered net tonnage.	No. of ships.	Registered gross tonnage.	Registered net tonnage.
Ships entering.						
All vessels, including those transiting Canal	516	3,219,372	2,004,974	494	2,996,069	1,874,272
Vessels entering port but not transiting Canal	68	345,394	210,513	22	81,733	63,428
Vessels transiting Canal and handling passengers and cargo at terminal ports	86	535,816	331,699	61	411,536	253,624
Ships clearing.						
All vessels, including those transiting Canal	514	3,196,534	1,981,449	498	3,000,422	1,884,042
Vessels entering port but not transiting Canal	67	326,760	199,485	23	85,474	67,915
Vessels transiting Canal and handling passengers and cargo at terminals ports	84	516,091	315,157	62	411,694	253,696

MOVEMENT OF PASSENGERS.

	At Cristobal.			At Balboa.		
	First-class.	Others.	Total.	First-class.	Others.	Total.
Disembarking:						
From Atlantic ports	1,583	626	2,209	106	333	439
From Pacific ports	129	56	185	198	254	452
Total disembarking	1,712	682	2,394	304	587	891
Embarking:						
For Atlantic ports	1,265	573	1,838	69	126	195
For Pacific ports	258	164	422	118	172	290
Total embarking	1,523	737	2,260	187	298	485
Remaining on board:						
From Atlantic to Pacific ports	2,122	2,636	4,758	1,786	2,801	4,587
From Pacific to Atlantic ports	873	994	1,867	882	1,140	2,022
From Atlantic to Atlantic ports	3,575	177	3,752	.....	.....	.....
From Pacific to Pacific ports	.....	.....	.....	19	292	311
Total remaining on board	6,570	3,807	10,377	2,687	4,233	6,920
Total arriving	8,282	4,489	12,771	2,991	4,820	7,811
Total departing	8,093	4,544	12,637	2,874	4,531	7,405

PASSENGER-CARRYING VESSELS THROUGH CANAL.

	Total commercial vessels.	Passenger-carrying vessels.	Per cent of total transits.
Atlantic to Pacific	252	38	15.0
Pacific to Atlantic	197	37	18.7
Totals	449	75	16.7

In addition to the aforesaid, 75 passenger-carrying vessels called at the port of Cristobal, and 1 at Balboa, without transiting the Canal, making a total of 151 passenger-carrying vessels calling at Canal ports during the month.

COMMISSARY SALES TO VESSELS.

The following is a statement of commissary sales to vessels during the month of February, 1927:

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Cristobal to:						
Commercial vessels	$2,271.01	$10,658.46	$27,155.48	$293.52	$5,561.84	$45,940.31
Government vessels	95.22	2,062.53	8,873.40	126.71	728.76	11,886.62
Panama Railroad vessels	.....	34.42	1,490.80	527.43	382.66	2,435.31
Total sales, February, 1927	2,366.23	12,755.41	37,519.68	947.66	6,673.26	60,262.24
Total sales, February, 1926	3,130.05	12,037.03	38,603.90	1,743.57	5,550.20	61,064.75
Total sales, February, 1925	1,900.52	9,347.22	29,238.17	1,233.86	3,322.94	45,042.71
Sales at Balboa to:						
Commercial vessels	947.77	8,235.99	16,200.13	1,259.02	2,792.67	29,435.58
Government vessels	241.23	4,531.48	10,614.97	496.07	812.54	16,696.29
Panama Railroad vessels	.....	.....	.....	46.08	.....	46.08
Total sales, February, 1927	1,189.00	12,767.47	26,815.10	1,801.17	3,605.21	46,177.95
Total sales, February, 1926	4,393.48	22,853.91	51,753.09	212.33	4,301.01	83,513.82
Total sales, February, 1925	1,988.12	22,401.35	55,260.57	676.29	1,748.14	82,074.47

The aggregate sales to Government vessels during the month was $28,582.91; to Panama Railroad vessels, $2,481.39; and to other commercial vessels, $75,375.89; making the total sales to all vessels, $106,440.19.

LOCK OPERATIONS.

The following tabulation shows the number of lockages, and the number of vessels passing through the locks during the month of February, 1927, as compared with the corresponding month in 1926, and 1925, together with the consumption of water for lockages, maintenance, etc., in February, 1927, as compared with the preceding month and the corresponding month in 1926:

Locks.	Number of lockages.						Comparative grand totals.		
	Commercial.			Noncommercial.					
	North.	South.	Total.	North.	South.	Total.	Feb., 1927.	Feb., 1926.	Feb., 1925.
Gatun	188	236	424	10	10	20	444	434	372
Pedro Miguel	194	244	438	15	15	30	468	447	408
Miraflores	193	242	435	15	11	26	461	456	368
	Number of vessels put through locks.								
Gatun	217	269	486	30	35	65	551	579	506
Pedro Miguel	205	258	463	48	48	96	559	596	509
Miraflores	204	258	462	53	61	114	576	592	504

CLASSIFICATION OF NONCOMMERCIAL VESSELS.

	Gatun.	Pedro Miguel.	Miraflores.
Army and Navy vessels	43	42	58
Panama Canal equipment	22	54	56

The total consumption of water for lockages, maintenance, and loss in leakage was as follows:

	Gatun.	Pedro Miguel.	Miraflores.
	Cubic feet.	*Cubic feet.*	*Cubic feet.*
Lockages	1,628,340,000	1,349,100,000	1,393,000,000
Maintenance	64,900,000		
Leakage	40,000,000	9,000,000	20,000,000
Totals, February, 1927	1,733,240,000	1,358,100,000	1,413,000,000
Totals, January, 1927	1,869,310,000	1,478,140,000	1,507,360,000
Totals, February, 1926	1,065,500,000	1,023,030,000	1,019,210,000

METEOROLOGY AND HYDROGRAPHY.

In the following tabulation the meteorological and hydrographic conditions over the Canal Zone and vicinity during the month of February are shown in comparative forms:

Rainfall for month.	February.		February—Years of record.		
	1927.	1926.	Maximum.	Minimum.	Mean.
	Inches.	*Inches.*	*Inches.*	*Inches.*	*Inches.*
Pacific section	1.77	10	2.51	T	.69
Central section	1.33	.70	4.28	.15	1.25
Atlantic section	3.78	1.72	13.29	.73	2.48
Maximum recorded on any one day	2.78	.85	[1] 7.12	.....	.....
Gatun Lake watershed	1.96	1.29	6.09	.37	1.79
Chagres River watershed above Alhajuela	2.96	1.33	5.92	.24	1.72
Maximum recorded for month at any one point	10.00	2.93	24.94	.....	.....
Minimum recorded for month at any one point	.46	.07	.....	.....	.....
Hydrography.	*C.f.s.*	*C.f.s.*	*C.f.s.*	*C.f.s.*	*C.f.s.*
Discharge of Chagres River at Alhajuela	1,850	637	3,315	516	1,237
Maximum momentary discharge for the month	5,450	3,632	[2] 43,500	.....	.....
Gatun Lake watershed, total yield	2,614	992	5,077	705	1,900
Gatun Lake watershed, net yield	1,775	113	4,207	-287	1,092
Draft on Gatun Lake for lockages and power	2,667	1,844	2,667	[3] 1,106	[3] 1,958

[1] 12.25 represents the maximum 24-hour rainfall recorded on the Canal Zone and vicinity since American occupation recorded at Gatun, October 23 and 24, 1923. NOTE.—Extreme outlying stations in the Republic of Panama not included in this report. [2] February 1, 1909. [3] Not including February, 1914.

SEISMOLOGY.

One seismic disturbance was recorded during the month epicenter 125 miles distant.

ELECTRICAL DIVISION.

In addition to the usual operating and maintenance work performed by this division, electrical installation and repair work was made on 24 vessels during the month. There were 271 work orders issued during February as compared with 266 for the month of January.

MECHANICAL DIVISION.

During the month miscellaneous repairs were made on 85 vessels at Cristobal and 34 at Balboa.

MUNICIPAL DIVISION.

The usual maintenance work on roads, streets, and walks, and to the water and sewer systems was performed during the month.

The amount of water pumped during the month totaled 636,785,750 gallons.

DREDGING DIVISION.

West Culebra slide showed no additional movement during February. Nine thousand, nine hundred and fifty cubic yards of material were removed from along the west prism line in front of this slide.

East Culebra slide showed no additional movement during February. Forty-seven thousand, three hundred and fifty cubic yards of material were removed from the channel and basin in front of this slide, making a grand total of 1,241,200 cubic yards since the movement of October 6, 1926.

There were no other slide movements and there was no interference with Canal traffic during the month.

The total excavation during the month was 336,296 cubic yards, as follows:

Cubic yards.	Classified as—		Character of work.	Station.	Equipment.
	Earth.	Rock.			
125,850	125,850	.....	Maintenance	Atlantic entrance	*No. 83.*
47,350	7,100	40,250	Maintenance	Gaillard Cut East Culebra slide	*Paraiso.*
9,950	1,500	8,450	Maintenance	Gaillard Cut, West Culebra slide	*Paraiso.*
15,400	1,550	13,850	Maintenance	Gaillard Cut	*Paraiso.*
63,350	.....	63,350	Maintenance	Pacific entrance, Project No. 1	*Cascadas.*
20,850	19,100	1,750	Maintenance	Pacific entrance, maintenance	*Cascadas.*
52,536	52,536	.....	Auxiliary	Chagres River (gravel service)	*No. 86.*
1,010	1,010	.....	Auxiliary	Sand from Chame	*La Valley.*

OCCUPANTS OF QUARTERS.

The number of persons including men, women, and children, occupying Panama Canal and Panama Railroad quarters on February 28, 1927, totaled 20,919, of whom 7,189 were Americans, 192 Europeans, and 13,538 West Indians. The total number of persons in quarters on February 28, 1926, was 20,740.

WORKING FORCE.

The following tabulation shows the number of gold and silver employees as of February 16, 1927, together with a comparison of the working force for the preceding month, and for February, 1926:

	As of February 16, 1927.			Total employees.	
	Gold.	Silver.	Total.	January, 1927.	February, 1926.
Operation and Maintenance:					
Office	37	36	73	71	70
Electrical	148	173	321	339	348
Municipal Engineering	78	755	833	702	774
Lock Operation	297	1,431	1,728	1,586	1,217
Dredging	184	960	1,144	1,128	938
Mechanical	396	713	1,109	1,131	1,120
Marine	190	561	751	764	755
Fortifications	11	81	92	115	145
Totals	1,341	4,710	6,051	5,836	5,367
Supply Department:					
Quartermaster	180	1,385	1,565	1,624	1,563
Subsistence	7	116	123	121	135
Commissary	193	987	1,180	1,197	1,231
Cattle Industry	7	489	496	574	278
Hotel Washington	7	97	104	106	106
Transportation	46	198	244	246	222
Totals	440	3,272	3,712	3,868	3,535
Accounting Department	198	8	206	207	201
Health Department	230	833	1,063	989	975
Executive Department	495	280	775	777	784
Totals	923	1,121	2,044	1,973	1,960
Panama Railroad:					
Superintendent	46	243	289	278	240
Transportation	62	124	186	190	183
Receiving and Forwarding Agent	83	1,239	1,322	1,363	1,178
Coaling stations	47	312	359	363	338
Totals	238	1,918	2,156	2,194	1,939
Grand totals, February, 1927	2,942	11,021	13,963		
Grand totals, January, 1927	2,902	10,969		13,871	
Grand totals, February, 1926	2,826	9,975			12,801

VITAL STATISTICS.

A total of 127 deaths occurred during the month of February, 1927, among the population of the Canal Zone, and the cities of Panama and Colon, which is equivalent to an annual death rate of 11.91 per 1,000 population. The leading causes of death were: Tuberculosis (various organs), 21; pneumonia (broncho and lobar), 16; diarrhea and enteritis, 11; nephritis, (acute and chronic), 10; and cancer 10. There were 9 deaths from organic diseases of the heart, 5 from apoplexy, 2 from dysentery, and 1 from measles. There were 12 deaths among nonresidents of the Isthmus; these are not included in the above statistics.

There were 260 live births reported during the month, and 19 stillbirths. Including stillbirths, this is equivalent to an annual birth rate of 26.18 per 1,000 population. Deaths among children under 1 year of age numbered 25, giving an infant mortality rate of 96.15 per 1,000 live births.

The total number of malaria cases reported from the Zone and the cities of Panama and Colon during February, was 77; the lowest for that month during the past 10 years with the exception of February, 1920. Eight of this number were employees (5 white and 3 colored), 3 were members of employees' families (2 white and 1 colored) 20 were other civilian nonemployees, and 46 were Army and Navy personnel. Five

of the 11 employees and members of their families were probably infected outside our sanitated areas, as they gave a history of working, living, or having been in such areas at night previous to their becoming sick.

There was 1 death from malaria, the child of a land settler on the Canal Zone.

RECEIPTS AND SALES OF MATERIALS AND SUPPLIES.

The value of material ordered on United States requisitions and received on the Isthmus during the month totaled $374,577.59, of which $347,314.34 was for the Department of Operation and Maintenance, and $27,263.25 for other Panama Canal departments.

Cash sales on the Isthmus from stock, fuel oil, scrap and obsolete and second-hand material amounted to $46,166.02.

FINANCIAL STATEMENT.

The following statement shows in a condensed form the aggregate revenues and expenditures for the month of January, 1927, as compared with January, 1926, together with figures for the first 7 months of the current fiscal year as compared with the same period in the fiscal year 1926.

It is impossible to submit the figures for the month of February at the time of writing this report, since all the charges, etc., involved in the accounting have not been completed:

PANAMA CANAL OPERATIONS FOR JANUARY, 1927, AS COMPARED WITH JANUARY, 1926.

	Month.		Fiscal year.	
	January, 1927.	January, 1926.	This year.	Last year.
Tolls	$1,984,839.16	$2,103,416.02	$13,914,885.87	$13,062,169.88
Other receipts	453,666.10	275,744.47	2,137,742.42	1,901,086.55
Total transit revenues	2,438,505.26	2,379,160.49	16,052,628.29	14,963,256.43
Total transit expenses	1,045,828.30	939,388.18	7,036,293.39	6,257,669.46
Net transit revenues	1,392,676.96	1,439,772.31	9,016,334.90	8,705,586.97
Three per cent capital charge	609,291.05	612,285.15	4,265,804.79	4,284,809.54
Transit surplus	783,385.91	827,487.16	4,750,530.11	4,420,777.43
Business revenues	1,261,960.46	1,311,234.66	8,286,437.53	8,741,067.08
Business expenses	1,142,789.73	1,226,114.72	7,659,290.01	8,311,263.71
Net business revenue	119,170.73	85,119.94	627,147.52	429,803.37
Three per cent capital charge	57,354.09	53,644.21	425,351.31	401,752.19
Business surplus	61,816.64	31,475.73	201,796.21	28,051.18
Combined revenues	3,433,321.85	3,433,241.85	22,590,765.95	21,927,393.30
Combined expenses	1,921,474.16	1,908,349.60	12,857,283.53	12,702,002.96
Combined net revenues	1,511,847.69	1,524,892.25	9,643,482.42	9,135,390.34
Three per cent capital charge	666,645.14	665,929.36	4,691,156.10	4,686,561.73
Combined surplus	845,202.55	853,962.89	4,952,326.32	4,448,828.61

Respectfully,

M. L. WALKER,

Governor.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, March 26, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Mevania [1]	12	17 55	20	4 13	20	13 37	20	14 50	American	C. D. Mallory & Co	425.8	57.0	21.8	Jacksonville, Fla.	Los Angeles, Calif	Ballast	.....	7,485	5,216
Chilore	18	9 35	20	6 00	20	14 24	20	15 30	American	Ore S. S. Corp	550.0	72.0	20.6	Norfolk, Va.	Cruz Grande, Chile	Ballast	.....	14,538	9,348
Notre Dame de Fourviere	19	8 10	20	6 30	20	15 55	20	17 15	French	French Line	427.5	58.4	22.0	Havre, France.	Vancouver, B. C.	General	4,073	8,043	5,454
Hans Leonhardt [2]	18	19 15	20	7 45	20	17 02	20	19 35	German	Colombian Transp. Co	230.0	36.0	12.10	Cristobal, C. Z	Buenaventura, Col.	Ballast	.....	1,568	909
Santa Leola	19	15 15	20	7 25	20	16 45	20	22 30	American	N. O. & S. A. S. S. Co	298.6	40.0	21.0	New Orleans, La	Talcahuano, Chile	General	2,611	2,832	1,803
West Cacamargo	20	5 15	20	8 28	20	16 58	20	18 30	American	McCormick S. S. Co	427.0	54.0	21.0	Buenos Aires, Arg	San Francisco, Cal	General	4,487	6,624	4,957
Stuart Dollar.	19	21 43	20	9 30	20	17 34	20	18 50	American	Dollar Line	429.0	55.2	24.6	New York, N. Y.	San Francisco, Cal.	General	6,711	7,584	5,538
Panaman	20	6 10	20	10 43	20	17 40	20	18 50	American	Amer.-Hawaiian Line	407.7	53.7	23.10	New York, N. Y..	Portland, Oreg	General	5,055	7,098	5,029
K. R. Kingsbury [3]	20	8 25	20	11 20	20	18 30	20	22 40	American	Standard Oil Co	440.0	58.0	20.0	New York, N. Y.	Los Angeles, Calif	Ballast	.....	9,033	5,938
Crown City [2]	20	10 52	20	12 10	20	19 10	21	6 31	American	Roosevelt S. S. Co. (S. B.)	410.0	54.0	19.0	New York, N. Y.	Brisbane, Australia	General	3,000	6,736	4,881
Feltre [2]	19	15 52	20	13 00	20	20 00	21	14 38	Italian	Nav. Libera-Triestina	459.0	53.0	16.6	Trieste, Italy	Vancouver, B. C.	General	1,189	7,795	5,916
Emilio [1]	20	22 00	21	3 15	21	10 40	21	11 50	American	General Petroleum Co.	435.0	56.2	20.0	Baltimore, Md	Los Angeles, Calif	Ballast	.....	7,433	5,058
O-4 [3]			21	6 30	21	13 52	21	15 00	American	U. S. Navy	172.4	18.0½	..	Cristobal, C. Z.	Balboa, C. Z		.....	.....	.....
O-6 [3]			21	6 30	21	13 52	21	15 00	American.	U. S. Navy	172.4	18.0½	..	Cristobal, C. Z...	Balboa, C. Z		.....	.....	.....
O-7 [3]			21	6 30	21	13 54	21	15 00	American	U. S. Navy	172.4	18.0½	..	Cristobal, C. Z	Balboa, C. Z		.....	.....	.....
O-8 [3]			21	6 30	21	13 54	21	15 00	American	U. S. Navy	172.4	18.0½	..	Cristobal, C. Z	Balboa, C. Z		.....	.....	.....
Detroit [3]	21	6 05	21	6 40	21	15 04	22	09 10	American	U. S. Navy	550.0	55.0		Guantanamo, Cuba	Balboa, C. Z		.....	.....	.....
O-9 [3]			21	8 05	21	15 52	21	17 00	American	U. S. Navy	172.4	18.0½		Cristobal, C. Z.	Balboa, C. Z		.....	.....	.....
O-10 [3]			21	8 05	21	15 52	21	17 00	American	U. S. Navy	172.4	18.0½		Cristobal, C. Z	Balboa, C. Z		.....	.....	.....
Swiftscout [2]	21	5 55	21	9 05	21	16 54	21	18 12	American	C. D. Mallory & Co.	164.2	60.2	21.0	Fall River, Mass	Los Angeles, Calif	Ballast	.....	8,473	6,104
Storviken	21	6 18	21	9 55	21	17 40	21	18 55	Norwegian.	Wallen & Co	380.0	53.0	20.0	Houston, Texas	Kobe, Japan	Cotton	2,000	5,342	3,826
El Capitan..	21	10 33	21	10 45	21	17 56	21	18 55	American	Swayne & Hoyt	289.0	44.0	18.0	New Orleans, La..	Tacoma, Wash	General	2,703	2,939	2,020
Nora [1]	20	5 25	21	11 55	21	19 05	21	19 55	American	Grace Line	467.0	62.7	18.6	Cristobal, C. Z	Los Angeles, Calif	Ballast	.....	9,918	7,363
Otterpool	21	9 37	21	12 28	21	19 52	21	22 30	British	Pool Shipping Co	390.0	55.0	15.0	South Shields, Eng.	Prince Rupert, B.C.	Ballast	.....	5,026	4,262
Pacific Spruce	21	10 50	21	13 00	21	20 42	22	00 44	American	Ocean Transport Co	410.0	54.0	20.0	Philadelphia, Pa.	Seattle, Wash	General	3,870	6,624	4,877
Australic	21	12 50	21	13 50	21	21 35	21	23 05	Swedish	Transatlantic S. S. Co.	394.0	48.9	17.6	Newport News, Va	San Francisco, Cal.	Ballast	.....	5,169	3,736
Swan [3]			21	6 30	21	13 58	21	17 00	American	U. S. Navy	180.0	35.6		Cristobal, C. Z	Balboa, C. Z		.....	.....	.....
Artagan Mendi	21	13 15	22	3 35	22	11 28	22	12 35	Spanish.	Sota & Aznar	440.0	53.5	13.6	Genoa, Italy	Arica, Chile	Ballast	.....	6,003	4,333
Charles R. McCormick	21	18 43	22	4 25	22	12 33	22	13 45	American	Munson, McCor'k Line.	491.0	53.2	27.5	Boston, Mass	Seattle, Wash	General	8,872	7,082	5,167
Indra [2]	21	22 37	22	6 25	22	13 34	22	14 50	Norwegian.	Winge & Co	375.8	51.4	14.0	Bilboa, Spain..	Los Angeles, Calif	Ballast	.....	5,456	3,797
Meigen Maru	22	00 05	22	7 05	22	15 21	22	18 35	Japanese.	Suzuki Shoten	400.0	53.0	26.0	Cienfuegos, Cuba.	Kobe, Japan	Sugar	7,393	5,907	4,329
Perang [4]	21	13 [illegible]	22	7 35	22	17 18	23	18 00	Finnish	Peruvian Corporation	265.6	40.1	14.3	London, England	Peru	Ballast	.....	2,022	1,833
Faith [7]	11	8 45	22	7 45	22	16 57	25	23 05	American	Walden Shaw	86.8	25.0	10.0	Kingston, Jamaica.	San Francisco, Cal.	Ballast	.....	147	94
Pomona	22	00 55	22	8 30	22	16 54	22	22 00	American	Isthmian S. S. Lines..	449.0	56.0	28.8	New York, N. Y....	Seattle, Wash	Steel, general....	10,331	8,324	6,036
Argalia	22	6 15	22	9 35	22	17 42	22	19 00	British	Lallier S. S. Co	400.0	52.3	22.0	Galveston, Texas..	Kobe, Japan	Cotton, iron....	5,610	5,753	4,003

[1] Tanker. [2] Motor ship. [3] Submarine. [4] Cruiser. [5] Mine sweeper. [6] Bark. [7] Yacht.

Sapelo [7]	22	6.20	22	10.30	22	18.30	24	7.25	American	U. S. Navy	461.0	60.0	22.0	Guantanamo, Cuba	Los Angeles, Calif.				
New Britian	22	7.30	22	11.40	22	19.48	22	21.07	American	Calif. & East'n S.S. Co.	386.8	52.2	22.0	Baltimore, Md.	Seattle, Wash.	General	6,099	5,684	4,082
Suspearco	22	7.56	22	12.38	22	20.50	22	22.00	American	Transmarine Lines	324.0	46.2	22.8	Newark, N. J.	San Francisco, Cal.	General	3,400	3,984	2,612
Seneca	22	8.42	22	12.43	22	21.00	23	2.15	American	Hammond Lumber Co.	251.0	43.5	21.6	Santiago, Cuba	Shanghai, China	Sugar	3,200	2,645	1,633
Major Pullen [8]			22		22	15.18			American	U. S. Army				Cristobal, C. Z.	Balboa, C. Z.				
Jason	22	10.10	23	3.13	23	13.47	23	23.28	Dutch	Royal Neth. W. I. Mail.	345.0	48.0	20.0	Amsterdam, Holl.	Corral, Chile	General	3,370	4,321	3,120
Inverarder [7]	22	13.15	23	4.40	23	14.51	23	16.05	British	Brit.-Mexican Pet. Co.	400.0	52.4	27.0	Selzate, Belgium	Vancouver, B. C.	Creosote	7,400	6,055	3,933
San Ugon [7]	22	15.00	23	6.15	23	15.18	23	16.20	British	Anglo-Mex. Pet. Co.	413.0	53.4	20.0	Liverpool, England	Los Angeles, Calif.	Ballast		5,976	4,069
Francis E. Powell [7]	22	21.30	23	7.00	23	16.47	23	17.50	American	Atlantic Refining Co.	431.0	59.2	19.10	Providence, R. I.	Los Angeles, Calif.	Ballast		7,860	51,01
William Rockefeller [7]	22	23.35	23	7.55	23	17.29	23	18.35	American	Standard Oil Co.	554.9	75.3	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast		14,785	10,313
Torvanger	23	2.40	23	8.50	23	17.40	23	18.42	Norwegian	Westfal, Larsen & Co.	420.0	54.0	15.6	Liverpool, England	Iquique, Chile	Ballast		6,963	5,051
Queen Maud	22	21.00	23	9.35	23	18.28	23	19.40	British	N. Z. Shipping Co.	400.0	52.0	26.3	St. Johns, N. B.	Auckland, N. Z.	General	6,500	5,748	3,955
Willfaro	23	1.45	23	10.25	23	19.08	23	20.15	American	Williams S. S. Line	386.8	52.0	18.10	Baltimore, Md.	Seattle, Wash.	General	4,448	5,684	4,070
Bordeaux Maru	23	4.20	23	11.45	23	20.00	23	21.00	Japanese	Kawasaki Kisen Kaisha	405.0	53.0	21.6	New York, N. Y.	Shanghai, China	General	4,012	7,032	5,128
Orinoco	23	8.30	23	12.38	23	20.47	23	21.50	American	Oriental Navigation Co.	377.0	52.0	19.0	Philadelphia, Pa.	Portland, Oreg.	General	3,713	5,455	3,902
Dos Hermanos [9]	22	17.35	23		23		23	20.00	Panaman	Isth. Land & Fruit Co.	35.0	12.0	3.0	Cristobal, C. Z.	Panama, R. P.	Ballast		17	13
Santa Ana	23	19.35	24	2.45	24	9.45	24	16.30	American	Grace Line	360.2	51.6	24.0	New York, N. Y.	Talcahuano, Chile	General	3,075	5,776	4,081
Noorderdijk	22	22.35	24	3.25	24	11.21	24	12.35	Dutch	Holland-American Line.	470.0	58.0	21.3	Rotterdam, Holland	Vancouver, B. C.	General	2,624	8,888	6,612
Andrea F. Luckenbach	23	15.05	24	5.00	24	12.45	24	13.55	American	Luckenbach Line	496.0	68.0	25.11	Boston, Mass.	Seattle, Wash.	General	10,700	11,487	8,762
Sedgepool	23	17.35	24	6.30	24	16.00	24	17.15	British	Sir. R. Roper & Co.	415.0	55.5	14.0	Newcastle, England	San Francisco, Cal.	Ballast		6,641	4,812
Mongolia	24	6.23	24	7.15	24	15.06	24	23.13	American	Panama-Pacific Line	600.0	65.0	28.6	New York, N. Y.	San Francisco, Cal.	General	3,225	17,041	11,426
Cerro Azul [1]	24	7.20	24	8.25	24	16.08	24	17.15	American	Huasteca Petroleum Co.	480.5	66.0	22.6	Perth Amboy, N.J.	Los Angeles, Calif.			9,398	6,453
Brazos [7]	22	7.20	24	8.45	24	16.40	24	17.40	American	U. S. Navy	455.0	56.2	18.0	Guantanamo, Cuba	Los Angeles, Calif.				
Storsten [2] [1]	23	21.00	24	10.18	25	21.37	28	1.40	Norwegian	Tansberg Rederi & Co.	388.5	52.7	17.0	Glasgow, England	Los Angeles, Calif.	Ballast		5,414	3,777
Commercial Spirit	24	8.30	24	10.30	24	18.40	24	19.56	American	Moore & McCormack	380.4	51.3	24.8	Norfolk, Va.	Cavite, P. I.	Navy coal	6,996	5,659	4,138
City of Pekin	24	11.45	24	11.55	24	19.25	24	21.00	British	Hall Line, Ltd.	460.0	58.8	28.0	Louisburg, N. C.	Shanghai, China	General	10,185	9,048	6,846
W. H. Tilford [1]	24	13.10	24	13.20	24	20.15	24	22.25	American	Standard Oil Co.	411.6	53.4	20.6	Charleston, S. C.	Talara, Peru	Ballast		6,205	4,264
Marore	23	12.45	24	13.40	24	21.23	24	22.25	American	Ore S. S. Corp.	550.3	72.2	20.10	Norfolk, Va.	Cruz Grande, Chile.	Ballast		15,551	4,297
Mecca [8]			24		24	13.05			American	United Fruit Co.				Cristobal, C. Z.	Gatun, C. Z.	([11])		4	4
No. 31016 [10]			24		24	13.05			American	United Fruit Co.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		10	10
Kinderdijk	23	18.45	24	22.09	25	11.38	25	12.35	Dutch	Holland-American Line.	469.7	58.0	21.6	Antwerp, Belgium	Vancouver, B. C.	Bananas, general	3,022	8,515	6,060
Ashbee [2]	24	22.20	24	23.35	25	9.39	25	14.45	American	Grace Line	333.8	48.0	20.1	New York, N. Y.	Tocopilla, Chile	General	3,567	4,101	2,687
Cid	23	7.10	24	23.30	25	9.44	25	10.42	British	Pacific Steam Nav. Co.	264.8	41.2	19.9	New York, N. Y.	Callao, Peru	General	1,996	2,746	1,626
Hegira	24	13.25	25	1.00	25	12.43	25	13.55	American	Hegira S. S. Co.	440.0	56.0	27.6	Newport News, Va.	Seattle, Wash.	Steel	9,961	8,342	6,108
Jacob Luckenbach	24	15.00	25	2.50	25	14.53	25	15.45	American	Luckenbach Line	414.5	53.6	25.0	New Orleans, La.	Portland, Oreg.	General	4,969	7,315	5,270
Camden [1]	24	16.50	25	4.20	25	15.27	25	16.30	American	United Fruit Co.	419.5	56.5	19.0	Port Limon, C. R.	Los Angeles, Calif.	Ballast		6,997	4,959
Denham	25	1.40	25	5.45	25	16.11	25	20.47	British	Com'lth & Dom. Line.	379.0	50.5	21.0	New York, N. Y.	Newcastle, N.S.W.	([12])	3,444	5,337	3,870
President Garfield	25	5.35	25	7.00	25	14.33	26	00.20	American	Dollar Line	502.1	62.2	27.6	New York, N. Y.	Orient	General	3,137	12,057	8,509
Hassel	24	22.30	25	7.55	25	16.23	25	18.00	Norwegian	R. Odfjell	340.7	47.1	15.0	Rotterdam, Holland	Arica, Chile	Ballast		4,232	3,067
Steel Age	25	8.34	25	8.50	25	17.15	26	00.55	American	Isthmian S. S. Lines	395.0	55.0	24.0	New York, N. Y.	Adelaide, Australia.	Steel, general	5,400	7,330	5,245
Ohioan	25	6.00	25	9.43	25	17.47	25	18.49	American	Amer.-Hawaiian Line	407.7	53.5	23.0	Boston, Mass.	Seattle, Wash.	General	5,273	7,112	4,896
Duendes	24	17.37	25	10.35	25	18.36	25	19.45	British	Pacific Steam Nav. Co.	390.0	50.0	22.5	Liverpool, England	Talcahuano, Chile.	General	2,115	6,006	4,287
Corby Castle	24	23.00	25	11.25	25	19.50	25	21.18	British	James Chambers & Co.	423.0	56.0	25.11	New York, N. Y.	Shanghai, China	General	6,920	6,302	4,537
J. A. Moffett, Jr. [7]	25	11.28	25	12.25	25	20.45	25	22.00	American	Standard Oil Co.	499.2	68.1	19.6	Baltimore, Md.	Los Angeles, Calif.	Ballast		11,037	7,995
Padilla	25	6.48	25	13.25	25	22.30	26	00.26	Colombian	Colombian S. S. Co.	247.0	43.6	17.10	Pto. Colombia, Col.	Tumaco, Colombia.	Salt, beer, soap.	1,785	2,206	1,506

[2] Tanker. [8] Launch. [9] Motor schooner. [10] Barge. [11] Towing barge *No. 31016*. [12] Gasoline, kerosene, and general.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Trinidad [14]			25		25	15 08			American	L. B. Carr				Cristobal, C. Z	Gatun, C. Z	Ballast		3	3
Chile [13]	25	13 20	26	5 30	26	14 19	27	1 00	Danish	East Asiatic Co.	425.3	55 2	19 3	Copenhagen, Den.	Vancouver, B. C.	General	4,188	7,382	5,663
Santa Cecilia.	25	19 50	26	6 12	26	14 01	26	15 20	American	Argonaut S. S. Co.	404 6	53 9	28 2	Baltimore, Md	Tacoma, Wash	Steel, general.	8,226	6,745	4,562
Robert E. Hopkins [1]	26	3 30	26	7 25	26	14 52	26	16 00	American	Tidewater Oil Co	424 0	58 0	20.0	New York, N. Y	Los Angeles, Calif	Ballast		7,333	5,182
Welsh City	26	5 40	26	8 20	26	15 30	26	16 50	British	Sir W. R. Smith & Sons	411 0	54 5	14 6	Hull, England.	San Francisco, Cal.	Ballast		6,957	5,133
Sunugentco	24	17 30	26	9 00	26	16 39	26	17 45	American	Transmarine Lines	324 0	46 2	23 6	New Orleans, La	Portland, Oreg.	General	3,560	3,984	2,628
Ortega	22	2 30	26	10.08	26	17 03	26	18 05	British	Pacific Steam Nav. Co	465 0	56.0	23 0	Liverpool, England	Valparaiso, Chile	General	2,017	8,345	4,998
Mantaro.	21	20 30	26	10 45	26	17 32	27	1 52	Peruvian	Peruvian Line	367 3	46 0	19 3	Cristobal, C. Z	Callao, Peru	General	613	4,838	2,959
Franklin K. Lane [1]	26	10 15	26	11 40	26	18 35	26	19 45	American	Huasteca Petroleum Co.	435 0	56.2	20 0	Baltimore, Md	Los Angeles, Calif	Ballast		7,405	5,131

[1] Tanker. [13] Motor ship. [14] Launch.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Dagheston [1]	19	16 30	20	6 31	20	17 00	20	17 00	British	Common Brothers.	405 0	52 0	26 0	San Francisco, Cal.	Havre, France.	Gasoline	7,485	6,355	4,599
San Ubaldo [1].	20	00 01	20	7 22	20	18 00	20	20 49	British	Anglo-Mexican Pet. Co.	412 0	53 4	24 0	San Francisco, Cal	Lizard Head, Eng. [16]	Gasoline	7,245	5,976	4,069
Canadelite [1]	19	20 30	20	8 10	20	18 55	20	18 55	British	Imperial Oil Co., Ltd.	510.9	68 25	30 0	Talara, Peru	Charleston, S. C.	Fuel oil	16,000	11,556	7,658
Camden [1].	19	22 15	20	8 42	20	20 15	21	17 10	American	United Fruit Tankers	419 5	56 5	26 0	Los Angeles, Calif	Cristobal, C. Z	Fuel oil	9,165	6,977	4,959
Trafalger	19	23 00	20	9 20	20	20 20	20	20 20	British	Moss, Glenn & Co	385 2	52 0	24 0	Iquique, Chile.	Wilmington, Del.	Nitrate	7,280	5,174	3,657
Wentworth	20	4 00	20	9 36	20	21 15	20	21 15	British	R. S. Dalgliesh	400.0	52 3	25 5	Antofagasta, Chile.	Port Royal, Jamaica	Nitrate	7,498	5,721	4,058
Blythmoor	20	14 36	21	6 18	21	18 38	21	18 38	British	W. Runciman & Co.	420 0	54 0	27 8	Caleta Colosa, Chile	Falmouth, Eng'nd.	Nitrate	10,060	6,963	5,008
Salvador.	20	14 30	21	7 05	21	19 27	27	6 05	British	Pacific Steam Nav. Co	215 0	33 5	17 0	Champerico, Guat	Cristobal, C. Z	Coffee, wood	959	1,270	735
Sueleo	20	23 00	21	7 15	21	19 35	21	19 35	American	Munson S. S. Line	324 0	46 2	23 0	Bellingham, Wash	Boston, Mass	Lumber	4,500	3,984	2,612
Mantaro	21	3 15	21	9 05	21	20 30	26	10 45	Peruvian	Peruvian Line	367 0	46 0	20 6	Callao, Peru	Cristobal, C. Z.	General	2,415	4,838	2,959
India Maru	21	1 45	21	9 20	21	21 30	21	23 05	Japanese.	Kawasaki Dockyard Co.	385 0	51.0	25 7	Vancouver, B. C.	Norfolk, Va. [16].	Wheat	7,535	5,928	4,381
Emma H. Coppage [1]	20	21 06	21	10 18	21	22 10	21	22 10	American	California Pet. Co	425.8	57.0	28 6	Los Angeles, Calif	Baltimore, Md.	Crude oil	10,000	7,217	5,184
K. I. Luckenbach	21	4 00	21	11 13	21	23 00	21	23 00	American	Luckenbach Line	446.0	56 17	29 0	Seattle, Wash	Mobile, Ala	General, lumber	8,200	8,552	6,236
Floridian	21	6 20	21	12 18	21	23 40	21	23 40	American	Amer.-Hawaiian Line.	415.0	53 7	25 6	Portland, Oreg	Boston, Mass	General	5,396	7,273	5,105
Java [13]	21	11 55	21	13 06	22	00.45	22	1 45	Danish.	East Asiatic Co.	432 9	58 6	32 0	Vancouver, B. C.	Copenhagen, Den.	General	12,148	9,363	6,927
Henry S. Grove	21	13 30	21	14 05	22	2 40	22	13 40	American	Nautilus S. S. Co	404 6	53 95	27 6	Portland, Oreg	Baltimore, Md	Lumber, general.	7,985	6,755	4,688
Monticello	21	13 40	21	14 40	22	4 00	22	16 00	American	Sudden & Christensen.	468 5	58 5	28 0	Tacoma, Wash	Baltimore, Md	([17])	9,000	8,460	6,084
Sonora	21	17 15	22	6 11	22	17 50	23	12 10	French	French Line	388 7	54 15	25 10	Coronel, Chile.	Havre, France.	General	7,703	6,394	4,464
Ontariolite [1] [13].	21	19 15	22	7 07	22	18.30	22	18.30	British	Imperial Oil Co., Ltd.	470 0	68 2	28 0	Cabo Blanco, Peru.	Halifax, N. S.	Crude oil	12,200	9,191	6,051
Dos Hermanos [15]	22	6 00	22	7 25	22	19 35	23		Panaman	Isth. Land & Fruit Co.	49 0	12.0	5 0	Chiman, R. P.	Cristobal, C. Z.	Bananas	6		
West Keats	21	22 54	22	8 16	22	20 18	22	20 18	American	Calif. & East'n S. S. Co	410 5	54 3	24 7	Astoria, Wash.	Hamburg, Germany	Lumber	7,454	6,572	4,900
Cokesit	22	2 59	22	9 11	22	19 45	22	21 30	American	Roosevelt S.S. Co. (S.B.)	410 45	53 2	16 6	Newcastle, Australia	New York, N. Y.	Wool, general	458	6,291	4,454

[1] Tanker. [15] Motor schooner. [16] For orders. [17] Lumber, copper, and iron.

F. J. Luckenbach	22	5.30	22	10.09	22	21.35	23	1.40	American	Luckenbach Line	446.0	56.17	29.0	Portland, Oreg.	Boston, Mass.	General, lumber	8,847	8,508	6,179
No. 307 [18]	22	8.21	22	11.22	22	19.50	28	4.30	American	U. S. Navy	310.0	30.11	11.0	San Diego, Calif.	Guantanamo, Cuba				
Storstad [13]	22	8.35	23	6.08	23	16.50	23	16.50	Norwegian	A. F. Klaveness & Co.	470.0	62.0	26.7	Los Angeles, Calif.	Land's End, Eng. [16]	Gasoline	11,400	9,198	6,287
Pacific Fir	22	14.40	23	7.22	23	17.35	23	17.35	American	Ocean Transport Co.	410.5	54.0	25.0	Everett, Wash.	New York, N. Y.	Lumber	7,100	6,622	4,882
Doriestar	22	14.50	23	8.20	23	18.37	23	18.37	British	Blue Star Line	499.8	64.0	30.6	Vancouver, B. C.	Liverpool, England	General	10,429	11,673	8,143
Selvistan	22	16.40	23	8.44	23	21.10	23	22.25	British	Hindustan S. S. Co.	389.5	53.5	25.6	Vancouver, B. C.	Avonmouth, Eng.	Wheat	8,070	5,619	4,127
Canadian Traveller	22	18.00	23	9.35	23	19.40	24	14.20	British	Can. Gov. Mer. Marine	399.8	52.28	16.0	Sydney, Australia.	Halifax, N. S.	Butter and beef.	1,521	5,894	4,143
Cubore [13]	22	24.00	23	9.53	23	21.00	23	21.00	American	Ore S. S. Corp.	450.6	57.2	30.0	Cruz Grande, Chile	Baltimore, Md.	Iron ore	10,500	7,956	4,866
Sunelseco	23	1.15	23	10.20	23	22.15	23	22.15	American	Transmarine Corp.	324.0	46.2	25.0	Englewood, B. C.	Newark, N. J	Lumber	3,900	3,984	2,612
Statesman	23	4.00	23	11.16	23	23.10	24	12.35	British	T. & G. Harrison	423.3	53.0	25.0	Vancouver, B. C.	Liverpool, England	General	7,759	6,366	4,568
Zrinski	23	8.30	23	11.24	24	00.20	24	1.00	Yugoslav	Baburizza & Co.	399.6	53.0	26.10	Antofagasta, Chile.	Alexandria, Egypt.	Nitrate	8,500	6,208	4,536
Port Napier	23	11.15	23	12.15	24	1.50	24	20.20	British	Com'lth & Dom. Line.	490.2	61.4	25.3	Port Pirie, N. Z.	London, England	[20]	7,338	10,978	8,115
Eemdijk	23	13.20	23	14.01	24	4.00	24	13.15	Dutch	North Pacific Joint Ser.	470.0	58.0	24.6	Vancouver, B. C.	Rotterdam, Holland	General	9,345	8,514	6,066
Canadian Highlander	23	10.00	23	14.43	24	2.30	24	7.45	British	Can. Gov. Mer. Marine	400.0	52.4	25.0	Vancouver, B. C.	Avonmouth, Eng.	Lumber, general.	6,489	6,192	4,402
Latouche	23	15.45	24	6.12	24	20.05			American	Alaska S. S. Co.	240.0	41.0	18.6	San Jose de Guat.	Cristobal, C. Z.	General	2,189	2,506	1,744
No. 245 [18]	18	14.30	24	6.15	24	20.35	28	4.30	American	U. S. Navy	310.0	30.11	12.0	Gulf of Fonseca.	Cristobal, C. Z.				
Piave	23	18.59	24	7.45	24	22.00	25	5.35	Italian	Nav. Libera-Triestina	464.2	57.0	25.6	Vancouver, B. C.	Venice, Italy	General	9,000	7,706	5,214
Aconcagua	24	4.30	24	8.32	24	18.20	24	23.55	Chilean	Chilean Line.	422.8	56.2	26.10	Valparaiso, Chile.	New York, N. Y.	General	5,123	7,758	4,705
Cambridge	23	21.40	24	10.42	24	22.30	24	22.30	British	Federal Steam Nav. Co	524.5	65.7	25.9	NewPlymouth,N.Z.	London, England.	Frozen, general.	8,765	12,485	8,854
Finland	23	23.30	24	11.24	24	19.08	24	19.45	American	Panama-Pacific Line	569.0	69.2	27.0	San Francisco, Cal.	New York, N. Y.	General	5,156	13,559	9,016
Breda	24	12.40	24	13.26	25	00.10	25	11.18	Dutch	Royal Neth. W. I. Mail	402.49	58.28	27.0	Corral, Chile	Hamburg,Germany	Nitrate, general	8,217	7,384	4,769
Steelore	25	1.24	25	6.04	25	19.25	25	19.25	American	Ore S. S. Corp	550.3	72.2	33.6	Cruz Grande,Chile.	Baltimore, Md.	Iron ore	20,000	15,551	4,297
Ashworth	24	14.30	25	7.07	25	19.50	25	21.45	British	Dalgliesh Line	400.0	52.3	25.5	Mejillones, Chile.	Falmouth, Eng. [16]	Nitrates	7,550	5,732	3,991
No. 332 [18]	24	13.00	25	8.40	25	20.35	25	20.35	American	U. S. Navy	310.0	30.11	11.0	San Diego, Calif.	Guantanamo, Cuba				
No. 333 [18]	24	12.45	25	8.40	25	20.35	25	20.35	American	U. S. Navy	310.0	30.11	10.5	San Diego, Calif.	Guantanamo, Cuba				
Waziristan	24	19.30	25	9.12	25	21.40	25	21.40	British	Common Brothers	390.0	53.5	26.0	Iquique, Chile.	Pensacola, Fla.	Nitrates	8,275	5,612	4,119
Mahana	24	20.00	25	9.51	25	23.00	26	1.40	British	Shaw, Savill & Albion.	500.9	63.36	26.0	Gisbourne, N. Z.	London, England	Frozen, general.	7,354	12,151	8,727
Argon [1]	25	9.00	25	10.57	25	23.20	25	23.20	American	Standard Transp. Co.	435.6	56.2	27.0	Los Angeles, Calif.	New York, N. Y.	Gas oil	9,155	7,386	5,183
Dakotan	25	14.30	25	15.19	26	00.15	26	00.15	American	Amer.-Hawaiian Line.	407.7	53.7	27.0	Seattle, Wash.	Boston, Mass.	General	7,970	7,156	5,058
Raleigh	25	12.30	26	6.18	26	15.40	26	15.40	American	U. S. Navy	555.0	55.0	18.5	Corinto, Nicaragua	Cristobal, C. Z.				
Parene	26	1.00	26	7.09	26	17.10	29	5.10	Peruvian	Peruvian Line	270.0	39.0	16.4	Callao, Peru	New York, N. Y.	General	1,722	2,168	1,529
Gen. W. M. Graham [19]			26	7.25	26	16.40			American	U. S. Army	160.2	32.1	14.5	Balboa, C. Z	Cristobal, C. Z.				
Sucubaco	26	3.25	26	8.05	26	17.45	26	17.45	American	Transmarine Lines.	324.0	46.2	23.0	Gray's Har., Wash.	Port Newark, N. J.	Dressed lumber	4,000	3,984	2,628
Cauca [13]	26	1.30	26	8.15	26	18.00			Colombian	National Navigation Co.	107.5	23.0	10.4	Buenaventura, Col.	Cristobal, C. Z.	General	304	238	163
George Washington [13]	26	8.10	26	8.56	26	18.50	27	2.05	Norwegian	Norway-Pacific Line	425.5	55.3	29.0	Vancouver, B. C.	Oslo, Norway	General	9,600	7,505	5,627
Buenos Aires	26	8.45	26	9.55	26	20.00	28	10.25	Spanish	Compania Trans'tica	407.05	47.99	25.0	Valparaiso, Chile.	Barcelona, Spain	General	823	5,674	3,944
Orient	26	13.30	26	14.18	26	21.35	26	21.35	American	Oriental Navigation Co.	376.4	52.3	24.9	Aberdeen, Wash.	Philadelphia, Pa.	Lumber	4,082½	5,455	3,879

[1] Tanker. [18] Destroyer. [19] Mine planter. [20] Frozen, wool, and general. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

MOVEMENTS OF OCEAN VESSELS.—Continued.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
March 20	Heredia	United Fruit Co	New Orleans via Habana	March 20	No. 326 [22]	U. S. Navy	High seas.
March 21	Adalia	Hamburg-American Line	Hamburg via wayports.	March 20	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
March 21	Denver [21]	U. S. Navy	High seas.	March 20	Heredia	United Fruit Co	Port Limon via Bocas.
March 22	No. 326 [22]	U. S. Navy	High seas.	March 20	Venezuela	Royal Netherlands W. I. Mail	Amsterdam and wayports.
March 22	No. 231 [22]	U. S. Navy	High seas.	March 21	Adalia	Hamburg-American Line	Port Limon Costa Rica.
March 22	No. 250 [22]	U. S. Navy	High seas.	March 21	Relay	All America Cables	New York, N. Y.
March 22	Granada	Standard Fruit S. S. Co	New Orleans, La.	March 23	Heredia	United Fruit Co	New Orleans via Habana.
March 22	Pellerin de La Touche	French Line	Havre via wayports.	March 23	Linda S [23]	Surgeon Brothers	Bluefields, Nicaragua.
March 23	Turrialba	United Fruit Co	New Orleans via Habana	March 23	Inapaquina [23]	United Fruit Co	Colon, R. P.
March 23	Heredia	United Fruit Co	Port Limon, Costa Rica.	March 24	Santa Marta	United Fruit Co	Colombian ports.
March 23	Santa Marta	United Fruit Co	New York via Kingston.	March 24	Carrillo	United Fruit Co	New York via Kingston.
March 23	Cleveland [21]	U. S. Navy	High seas.	March 24	La Perla	United Fruit Co	Boston via wayports.
March 23	Carrillo	United Fruit Co	Santa Marta, Colombia.	March 24	Turrialba	United Fruit Co	New Orleans and wayports
March 23	Linda S [23]	Surgeon Brothers	Colon, R. P.	March 24	Pellerin de La Touche	French Line	Havre via wayports.
March 23	Inapaquina [23]	United Fruit Co	Colon, R. P.	March 24	Granada	Standard Fruit S. S. Co	San Blas Coast, R. P.
March 24	La Perla	United Fruit Co	Boston via wayports.	March 25	Denver [21]	U. S. Navy	High seas.
March 24	Tolea	United Fruit Co	New York via wayports.	March 25	Toloa	United Fruit Co	New York via wayports.
March 24	Adalia	Hamburg-American Line	Port Limon, Costa Rica.				
March 26	Bienvenido	Welcome S. S. Co	Guanta, Venezuela.				

[21] Cruiser. [22] Destroyer. [23] Motor schooner.

PORT OF BALBOA.

March 22	La Placentia	Union Oil Co. of Calif	Los Angeles, Calif.	March 20	Hampton Roads	Oil Transport Co	Los Angeles, Calif.
March 22	Pathfinder [23]	Mrs. L. G. Salkey	Panama Bay, R. P.	March 22	Pathfinder	Mrs. L. G. Salkey	Panama Bay, R. P.
March 22	District of Columbia	Standard Oil Co. of Calif	Los Angeles, Calif.	March 24	La Placentia	Union Oil Co. of Calif	Los Angeles, Calif.
March 25	Algonquin	Standard Oil Co. of New York	Los Angeles, Calif.	March 24	District of Columbia	Standard Oil Co. of Calif	Los Angeles, Calif.
March 25	W. S. Miller	Standard Oil Co. of Calif	Los Angeles, Calif.	March 26	Algonquin	Standard Oil Co. of New York	Los Angeles, Calif.
March 26	Agnes E [23]	Pacific Fruit Co	Panama Bay, R. P.	March 26	W. S. Miller	Standard Oil Co. of Calif	Los Angeles, Calif.
				March 26	Agnes E [23]	Pacific Fruit Co	Panama Bay, R. P.

* Other than ships passing through the Canal.

THE PANAMA CANAL RECORD

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Secretary of War Visits Isthmus.

The Hon. Dwight F. Davis, Secretary of War of the United States, arrived at Cristobal on the steamer *Ancon* on the morning of March 30, from New York, for an official visit and inspection of the Canal. He was welcomed at the dock by Gov. M. L. Walker, Gen. Charles H. Martin, Commanding the Panama Canal Department of the United States Army, Admiral George Day, Commandant of the Fifteenth Naval District, and other officials of the Canal Zone and the Republic of Panama.

During his sojourn on the Isthmus, Mr. Davis was the guest of Governor Walker. He sailed for New York on the *Ancon* on Sunday, April 3.

Canal Traffic in March Establishes New Record for Total Transits.

During the month of March, 1927, 496 commercial vessels and 19 small launches transited the Canal. Tolls on the commercial vessels aggregated $2,217,913.20, and on the launches $157.39, or a total tolls collection of $2,218,070.59.

The daily average number of transits of seagoing vessels for the month was 16, and the daily average tolls collection $71,545.59. The average amount of tolls paid by each of the commercial transits was $4,471.60, as compared with $4,442.90 for the month of February, 1927.

In addition to the commercial vessels and launches, 115 Army and Navy vessels transited the Canal during the month. This establishes a new record of 630 for vessels of all classes, exclusive of Canal equipment, and exceeds by 21 the previous high record for transits established in March, 1926, when 609 vessels transited the Canal (506 commercial, 12 launches, 89 Government vessels, and 2 ships transiting solely for repairs).

With respect to the amount of tolls collected, the month of March, 1927, is the second largest in the history of the Canal, the amount being exceeded only by that for December, 1923, when $2,335,729.81 was collected on 506 commercial vessels.

In the following tabulation the number of commercial transits and the amount of tolls collected are shown for the first 9 months of the current fiscal year, with the daily average of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
July	456	$1,980,719.67	14.71	$63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
January, 1927	443	1,984,760.71	14.29	64,024.54
February	449	1,994,860.82	16.03	71,245.03
March	496	2,217,913.20	16.00	71,545.59
Totals	4,085	18,127,174.49	14.90	66,157.57

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, April 2, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Salvador	3–21	19 27	27	6 05	27	13.05	27	18 37	British	Pacific Steam Nav. Co.	215.0	33.5	16.0	Cristobal, C. Z	Champerico, Guat	General	884	1,270	735
Feltore	25	17 10	27	6 25	27	14 38	27	15 20	American	Ore S. S. Corp.	449.0	57.2	19.10	Norfolk, Va	Cruz Grande, Chile	Ballast		7,808	5,139
Axel Johnson [2]	26	16.40	27	8.05	27	14.41	27	18 37	Swedish	Johnson Line	392.0	52.6	21.8	Stockholm, Sweden	San Francisco, Cal.	General	4,462	6,642	4,860
Tongariro	27	9 00	27	9 20	27	16.00	27	23.08	British	N. Z. Shipping Co.	460.5	62.0	28.8	London, England	Wellington, N. Z.	General	12,658	10,817	7,585
Ibukisan Maru	27	9.12	27	9.40	27	17.33	28	00 15	Japanese	Mitsui & Co.	385.0	51.0	26.0	Tampa, Fla	Kobe, Japan	(6)	7,300	6,242	4,449
Montpelier	27	12 10	27	12.38	27	19.23	28	2.52	American	Amer. Ship. & Com. Co.	460.0	57.9	24.0	Hamburg, Germany	Vancouver, B. C.	General	7,063	6,368	4,161
Peter Kerr	27	21 20	28	2.00	28	9.25	28	10.47	American	Arrow Line	415.0	55.6	20.6	Baltimore, Md	Portland, Oreg.	General	5,000	7,704	5,707
Silverelm [2]	28	00.40	28	4.13	28	13 38	28	14 55	British	Barber S. S. Line	375.0	52.6	15.6	New York, N. Y.	Far East	(7)	2,078½	6,087	4,681
Laguna [2]	27	12 45	28	6.15	28	14.23	28	20 00	British	Pacific Steam Nav. Co.	420.5	54.2	20.7	Hull, England	Talcahuano, Chile	General	3,337½	7,139	4,640
Somme [1]	27	21.55	28	6 50	28	15 20	30	17.15	American	U. S. Army	436.9	58.0	25.6	New York, N. Y.	San Francisco, Cal.	Army supplies.	549	8,407	5,212
Arlo [4]	28	5 10	28	7 35	28	16.12	28	17 20	American	Standard Transp. Co.	435.6	56.2	19.0	New York, N. Y.	Los Angeles, Calif	Ballast		7,386	5,117
Victorious	28	5.55	28	8.20	28	16 46	29	16 55	American	Amer.-PioneerLine, S.B.	440.1	56.0	22.0	Galveston, Texas	Shanghai, China	(8)	5,303	8,328	6,036
Astoria [2]	28	10 10	28	10 20	28	17 15	28	18.20	Danish	Canadian Transp. Co.	379.6	53.3	20.6	Houston, Texas	Kobe, Japan	Cotton	4,710	6,241	4,583
Zenon	27	19 45	28	11 10	28	18 04	28	19.12	French	French Line	425.0	55.0	20.6	Havre, France	Vancouver, B. C.	General	3,660	6,982	4,834
Sirius [4]	27	6 20	28	11 30	28	18 55	29	16.05	American	U. S. Navy	390.0	54.0	18.6	New York, N. Y.	San Diego, Calif.	General	2,505		
Harpalyce	28	8 00	28	12 35	28	20.34	28	22.00	British	Andrew Weir & Co.	390.0	53.3	23.3	Antilla, Cuba	Shanghai, China	Sugar	6,350	5,431	4,043
Trinidad [5]			28		28	14 08			American	L. B. Carr				Cristobal, C. Z.	Gatun, C. Z.	Ballast		3	3
Santos Maru [2]	28	10 45	29	6.15	29	12 46	29	14 15	Japanese	Osaka Shosen Kaisha	430.0	56.0	20.6	Buenos Aires, Arg.	Yokohama, Japan	General	2,282	7,875	5,821
Malmanger [4]	28	16 48	29	7 05	29	14 07	29	21 32	Norwegian	Westfal, Larsen & Co.	425.0	57.0	18 6	Blexen, Germany	Los Angeles, Calif	Ballast		7,084	4,940
York City	29	6 48	29	8 00	29	15 18	29	16.30	British	A. K. Moller Co.	411.8	55.0	20.9	New Orleans, La.	Yokohama, Japan	Cotton, general.	5,420	7,038	5,166
Baccarat.	29	10 50	29	11.20	29	19 50	30	2 24	American	Hammond Lumber Co.	251.0	43.7	19.0	Santiago, Cuba	Yokohama, Japan	Sugar	3,060	2,645	1,636
Adolf Von Baeyer	28	21 35	29	11 55	29	18.54	29	20 25	German	Hamburg-AmericanLine	409.8	53.9	19.0	Hamburg, Germany	Champerico, Guat	General	1,847	7,173	5.514
Leon XIII	28	7 19	29	13 00	29	20 36	29	21 51	Spanish	Spanish Line	410.4	46.0	22.6	Barcelona, Spain	Valparaiso, Chile	General	335	5,521	3.729
City of Oran	29	2 46	29	13 35	29	21 53	30	9 31	British	Ellerman Lines, Ltd.	465.5	58.1	24.0	New York, N. Y.	Adelaide, Australia	General	6,187	9,533	7.417
Vestvard [2]	29	13 38	30	5 30	30	13 47	30	19.45	Norwegian	Texas Gulf Sulphur Co.	386.0	52.9	23.9	Galveston, Texas	Port Pirie, Aust'lia	Sulphur	6,901	6,168	4.343
Robin Goodfellow	29	16 58	30	6 15	30	14 40	30	16 40	American	Isthmian S. S. Lines	424.8	55.2	28.6	Baltimore, Md	Vancouver, B. C.	Steel, general.	9,100	7,473	5.536
Japanese Prince [2]	29	20.00	30	7 45	30	15 22	30	17 25	British	Prince Line, Ltd.	441.6	60.0	26.0	New York, N. Y.	Shanghai, China.	General	5,568	9,240	6,152
Axtel J. Byles [1]	30	2 10	30	8 30	30	16 21	30	17 25	American	Tidewater Oil Co	468.3	62.1	19.10	New York, N. Y.	Los Angeles, Calif	Ballast		9,776	6,903
Maple Branch.	30	2 15	30	8 55	30	17 08	30	18 15	British	Nautilus S. S. Co	400.0	52.0	19.0	Newcastle-on-Tyne	Buenaventura, Col	General	3,234	5,618	4,116
American	30	3 30	30	9.25	30	17 15	30	18 15	American	Amer.-Hawaiian Line	404.6	53 9	21.0	New York, N. Y.	Portland, Oreg	General	4,942	6,789	4,746
Samuel Q. Brown [1]	30	2 30	30	10 40	30	18 11	30	19 25	American	Tidewater Oil Co	424.4	58.2	21.0	New York, N. Y.	Los Angeles, Calif	Ballast		7,333	5,183
Crisfield	30	6 00	30	11 10	30	18 58	31	2 06	American	Amer.-Pioneer Line, S.B.	402.6	54.6	21.0	Port Arthur, Texas	Hongkong, China	General	5,751	6.932	5,186
Washington Maru	30	8 10	30	12 00	30	19 07	30	21 20	Japanese	Suzuki & Co	385.0	51.0	23.1	Baltimore, Md	Kobe, Japan	(9)	5,052	5,919	4,400
Calliope [4]	30	9.47	30	13 00	30	20 48	31	1 11	Danzig	Baltic-Amer. Pet. Co.	470.2	63 2	19.0	Hamburg, Germany	Los Angeles, Calif.	Ballast		9,001	5,927

[1] Tanker. [2] Motor ship. [3] Transport. [4] Auxiliary. [5] Launch. [6] Phosphate and cotton. [7] Ammonia and phosphate. [8] Cotton, sulphur, and tobacco. [9] Steel sheets and cotton

J. L. Luckenbach	30	12.45	30	13.35	30	21.48	31	2.06	American	Luckenbach Line	448.9	60.2	27.6	Boston, Mass.	Tacoma, Wash.	General	7,397	9,294	6,861
Dos Hermanos[10]	29	16.48	30	.....	30	.....	30	19.25	Panaman	Isthm. Land & Fruit Co.	35.0	12.0	.....	Cristobal, C. Z.	Panama, R. P.	Ballast	.....	17	13
Bienvenido	26	14.05	31	6.15	31	13.25	1	22.50	British	Welcome S. S. Co	210.0	32.0	12.5	Guanta, Venezuela.	Aguadulce, R. P.	Ballast	.....	1,335	806
Pittsburg Bridge	31	1.38	31	7.15	31	14.12	31	19.15	American	Matson Navigation Co.	324.0	46.2	21.0	Philadelphia, Pa.	San Francisco, Cal.	General	2,100	3,984	2,612
Tilthorn	31	9.25	31	9.40	31	16.30	31	17.35	Norwegian	Wessel, Duval & Co.	420.2	53.9	15.6	Newport News, Va.	Iquique, Chile	Ballast	.....	6,591	4,730
Susherico	31	11.10	31	11.25	31	19.15	31	20.48	American	Transmarine Lines	324.0	46.2	21.0	New Orleans, La.	San Francisco, Cal.	General	3,100	3,984	2,628
Targis	30	22.35	31	14.05	31	21.51	1	14.20	German	Roland Line	428.0	55.1	27.6	Hamburg, Germany	Valparaiso, Chile	General	7,385	7,533	5,413
Ebro	31	15.50	1	1.55	1	9.45	1	13.20	British	Pacific Steam Nav. Co.	450.0	58.0	26.6	New York, N. Y.	Talcahuano, Chile	General	.....	9,291	6,301
R. W. Stewart[1]	31	16.30	1	3.45	1	11.40	1	12.45	American	Huasteca Petroleum Co.	467.6	62.7	22.0	Providence, R. I.	Los Angeles, Calif.	Ballast	.....	9.363	6,874
James McGee[1]	31	23.50	1	5.25	1	12.30	1	13.40	American	Standard Oil Co	499.1	68.2	19.0	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	10,964	7,909
Cumberland	31	10.59	1	6.20	1	14.14	2	3.25	British	Federal Steam Nav. Co	519.8	64.2	29.6	Newport, England.	Auckland, N. Z.	General	4,173	12,930	9,300
India Arrow	1	4.20	1	7.00	1	15.05	1	19.30	American	Standard Transp. Co.	468.3	62.7	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	10,084	7,426
Oneida	1	7.43	1	8.15	1	16.01	1	21.49	American	Ford Motor Co	251.0	43.6	16.7	New York, N. Y.	Seattle, Wash.	Auto parts	1,346	2,656	1,632
El Panquiaco[3]	1	.....	1	8.20	1	15.59	4	19.54	Panaman	Panaman Government.	125.0	23.0	.....	Cristobal, C. Z.	Panama, R. P.	Ballast	.....	.....	.....
Aurora[1 2]	1	9.25	1	9.50	1	16.44	1	21.49	American	Standard Transp. Co.	431.0	59.0	19.0	New York, N. Y.	San Francisco, Cal.	Ballast	.....	7,825	5,120
Misty Law	1	9.40	1	10.20	1	17.22	1	18.15	British	Com'lth & Dom. Line	400.0	53.0	20.10	New York, N. Y.	Brisbane, Australia	General	2,718	5,746	4,128
E. M. Clark[1]	1	10.08	1	11.10	1	18.11	1	19.30	American	Standard Oil Co	500.4	68.0	19.0	Halifax, N. S.	Los Angeles Calif.	Ballast	.....	11,063	8,033
Cape York	1	11.05	1	12.13	1	19.10	2	00.35	British	Steele S. S. Line	410.0	54.0	24.0	New Orleans, La.	Osaka, Japan	(11)	7,588	6,927	4,802
London Shipper	1	6.10	2	6.10	2	12.42	2	13.55	British	Furness, Withy & Co.	450.4	58.0	20.6	Glasgow, England.	Vancouver, B. C.	Gen., bananas	2,069	8,662	6,099
Lumina[1]	1	17.15	2	6.15	2	13.56	2	21.09	British	Anglo-Saxon Pet. Co.	407.0	52.2	18.0	Hamburg, Germany	Los Angeles, Calif.	Ballast	.....	5,940	4,108
Point Reyes	2	5.55	2	7.30	2	15.00	2	19.25	American	Swayne & Hoyt	324.0	46.2	23.6	Tampa, Fla.	Tacoma, Wash.	General	3,200	3,984	2,617
Atlantic Sun[1]	2	7.25	2	8.45	2	15.44	2	16.50	American	Sun Oil Co	429.3	59.2	19.6	Providence, R. I.	Los Angeles, Calif.	Ballast	.....	7,568	5,283
Oriole	2	9.00	2	10.54	2	17.57	2	19.00	American	Quaker Line	410.5	54.2	19.6	Philadelphia, Pa.	Portland, Oreg.	General	4,200	6,755	4,873
William Perkins	2	11.28	2	11.45	2	20.48	.....	.....	American	Eureka Lumber Co	409.8	54.2	15.0	New York, N. Y.	Aberdeen, Wash.	Ballast	.....	6,757	4,919
Latouche	3-24	20.05	2	13.17	2	21.30	3	2.30	American	Panama Mail S. S. Co.	240.0	41.0	16.6	Cristobal, C. Z.	San Francisco, Cal.	General	1,755	2,506	1,744

[1] Tanker. [10] Motor schooner. [11] Phosphate and cotton.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Knockfierna	27	4.00	27	7.07	27	16.55	27	18.50	British	Limerick S. S. Co., Ltd.	400.1	52.0	24.8	Makatea	Helsingborg, Swed.	Phosphates	7,300	5,828	4,091
Alrich	27	7.30	27	8.22	27	17.23	27	18.55	Germany	Roland Line	361.74	51.44	25.6	Buenaventura, Col.	Europe	General	6,430	5,029	3,581
Matatua	27	8.00	27	9.07	27	18.30	27	23.20	British	Shaw, Savill & Albion.	465.0	56.2	23.0	Wellington, N. Z.	London, England.	General	5,009	8,315	5,659
Paul Shoup[1]	27	23.00	28	6.09	28	17.03	28	17.03	American	Associated Oil Co	424.2	58.2	26.0	San Francisco, Cal.	Marcus Hook, N.Y.	Gasoline	8,954	7,333	5,119
Kiel	27	17.45	28	7.15	28	18.16	1	14.15	German	Kosmos Line	338.7	48.4	18.3	Champerico, Guat.	Amsterdam, Holl.	General	2,177	4,436	2,764
Santa Luisa	28	6.35	28	8.33	28	18.30	28	23.35	American	Grace Line	360.2	51.0	25.0	Talcahuano, Chile.	New York, N. Y.	(16)	3,838	5,710	3,998
Florence Luckenbach	27	23.45	28	9.05	28	13.47	28	18.47	American	Luckenbach Line	401.8	52.25	24.6	Seattle, Wash.	Poughkeepsie, N.Y.	Lumber	5,856	6,002	4,621
Altuna Mendi	28	00.05	28	9.43	28	20.30	29	1.30	Spanish	Sota & Aznar, Bilboa.	400.16	53.43	27.4	Taltal, Chile	St. Thomas, V.I.[15]	Nitrate	8,800	6,282	4,547
Diana Dollar	28	5.05	28	11.10	28	20.45	28	20.45	American	Dollar Line	429.0	55.2	28.3	Seattle, Wash.	New York, N. Y.	General	7,932	7,582	5,521
Sutermeo	27	15.00	28	12.11	28	21.30	28	22.25	American	Transmarine Lines	324.0	46.2	.....	Aberdeen, Wash.	Philadelphia, Pa.	Lumber	4,565	3,984	2,628
Amerikaland[2]	28	11.00	28	12.42	29	13.10	29	13.10	Swedish	Ore S. S. Corp	561.0	72.2	33.9	Cruz Grande, Chile.	Baltimore, Md.	Iron ore	21,500	15,560	4,496
Swan[12]	.....	.....	28	13.18	28	19.47	.....	.....	American	U. S. Navy	187.10	35.6	.....	Balboa, C. Z.	Cristobal, C. Z.	.....	.....	.....	.....
Christel Vinnen[13]	28	16.30	29	6.26	29	19.20	.....	.....	Italian	Aste Brothers	320.2	45.2	23.8	Caleta Colosa, Chile	Norfolk, Va.	Nitrates	4,900	3,145	2,897
J. M. Danziger[1]	28	21.45	29	7.13	29	20.15	30	1.15	American	Pan-Amer. Pet. & Tr. Co.	430.0	58.2	26.9	Los Angeles, Calif.	Montevideo, Ur'gy	Fuel oil	9,959	6,963	4,886
Dos Hermanos[14]	29	7.30	29	7.40	29	18.48	30	.....	Panaman	Isthm. Land & Fruit Co.	49.0	12.0	.....	San Miguel Bay	Cristobal, C. Z.	Bananas	.....	17	13
Walter A. Luckenbach	29	00.05	29	8.03	29	20.40	29	20.40	American	Luckenbach Line	446.5	56.1	28.6	Portland, Oreg.	Boston, Mass.	Lumber, general	8,103	8,785	6,567
Montauk	29	00.30	29	9.13	29	21.33	29	21.33	American	Ocean Transport Co.	419.5	56.5	29.6	Aberdeen, Wash.	Boston, Mass.	Lumber	8,775	8,696	6,316
Steel Ranger	29	4.40	29	10.09	29	22.00	29	22.10	American	Isthmian S. S. Lines	424.2	56.2	24.0	Seattle, Wash.	Boston, Mass.	Lumber, general	5,599	7,611	5,450
Ani	29	6.45	29	11.12	29	23.30	30	1.48	Belgian	Soc. Ent. de Commerce et Armem.	400.5	52.1	28.2	Antofagasta, Chile.	Hampton Rds, Va.[15]	Nitrate	8,140	6,617	4,792

[1] Tanker. [12] Mine sweeper. [13] Sailing ship. [14] Motor schooner. [16] For orders. [15] Copper, nitrate, cotton, etc.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Rabelais	29	7.50	29	12.09	30	00.50	30	16.56	French	Cie. Des. Affreteurs Fr.	386.29	52.45		Noumea, N. Calid	New York, N. Y.	General	5,400	5,242	3,559
London Importer	29	10.35	29	14.38	30	1.50	30	1.55	British	Brit. & Arg. S. S. Co.	400.4	58.0	19.8	Vancouver, B. C.	Glasgow, Scotland	General	8,900	8,405	5,855
Acme [1]	29	22.30	30	6.12	30	18.20	30	18.20	American	Standard Transp. Co.	435.0	56.0	26.0	Los Angeles, Calif.	Baltimore, Md.	Gasoline	8,891	7,165	4,926
Cincinus	29	18.30	30	7.01	30	19.05	30	19.05	American	Planet Line	410.0	54.2	24.6	Vancouver, B. C.	New York, N. Y.	Lumber	7,166	6,585	4,791
Arana	29	16.20	30	8.10	30	20.27	31	13.55	British	Pacific Steam Nav. Co.	303.4	43.0	13.11	Callao, Peru	New York, N. Y.	([18])	889	2,851	1,697
Acajutla	29	21.00	30	8.14	30	20.10			British	Pacific Steam Nav. Co.	215.7	33.5	16.6	Champerico, Guat	Cristobal, C. Z.	([19])	1,027	1,273	706
Liberator	29	21.40	30	10.44	30	21.50	30	21.50	American	Atl. Gulf & Orient. Line.	410.0	56.0	29.0	Iloilo, P. I.	New York, N. Y.	Sugar	10,007	8,199	6,216
Mexican	30	10.40	30	11.15	30	22.35	30	22.35	American	Amer.-Hawaiian Line.	472.3	57.2	28.0	Portland, Oreg.	Boston, Mass.	General	8,541	9,258	6,874
Venezuela	30	6.20	30	12.19	30	21.10	31	22.30	American	Panama Mail S. S. Co.	380.0	48.7	23.0	San Francisco, Cal.	New York, N. Y.	General	3,296	6,033	4,353
Bridgepool	30	11.10	30	13.03	30	23.45	31	1.25	British	Sir R. Ropner & Co.	390.0	55.5	23.0	San Francisco, Cal.	Hamburg, Germany	Barley	7,528	5,889	4,945
Epsom	30	12.05	30	14.40	31	00.45	31	2.30	British	Watts, Watts & Co.	370.0	50.6	23.6	Vancouver, B. C.	Norfolk, Va. [15]	Wheat	6,369	4,945	3,468
U-ought-to-go to [17]			30		30				American	Robert Ross				Balboa, C. Z.	Gatun Lake, C. Z.				
Pennsylvania [20]	29	15.25	31	6.25	31	15.35	31	23.10	American	U. S. Navy	610.0	95.0	30.0	San Diego, Calif.	Guantanamo, Cuba				
Amasis	30	20.15	31	7.12	31	19.45	1	12.43	German	Kosmos Line	438.27	55.33	24.6	Valparaiso, Chile	Hamburg, Germany	([24])	8,352	7,286	5,174
Annie Johnson [21]	30	21.40	31	7.57	31	20.35	1	15.15	Swedish	Johnson Line	392.14	52.8	26.0	Vancouver, B. C.	Stockholm, Sweden	([25])	6,145	6,650	4,919
D. G. Scofield [1]	30	23.00	31	9.35	31	21.12	31	21.12	American	Standard Oil Co. of Calif.	439.5	58.0	30.0	Los Angeles, Calif.	Baltimore, Md.	Fuel oil	11,250	8,698	5,935
Steel Exporter	31	00.30	31	10.10	31	22.30	1	1.50	American	Isthmian S. S. Lines	424.2	56.2	25.1	Vancouver, B. C.	Avonmouth, Eng.	General	8,043	7,611	5,450
Iona	30	21.44	31	11.25	31	18.45	31	23.00	British	White Star Line	500.3	63.3	27.0	Auckland, N. Z.	London, England	General	5,807		
Sudurco	30	7.55	31	12.42	31	22.50	31	22.50	American	Transmarine Lines	324.0	46.2	25.0	Aberdeen, Wash.	Boston, Mass.	Lumber general	3,267	3,984	2,636
E. J. Sadler [1]	31	12.10	31	12.53	1	00.15	1	00.15	American	Standard Oil Co. of N.J.	499.2	68.1	30.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	14,250	11,020	7,988
Wilkeno	31	21.30	1	7.19	1	16.15	2	10.30	American	Williams Line	410.0	55.7	27.0	Tacoma, Wash.	Philadelphia, Pa.	Lumber, general	8,578	7,750	5,805
Walton Hall	1	6.45	1	8.24	1	17.30	1	22.50	British	Hall Line, Ltd.	400.0	50.2	24.0	Yokohama, Japan	Hull, England	General	6,880	5,529	4,067
Evelyn	1	8.45	1	9.34	1	18.10	1	22.10	American	A. H. Bull S. S. Line	313.6	46.1	19.6	Tocopilla, Chile	Hampton R'ds, Va.	Nitrate	3,606	3,615	2,560
Atlas [1]	1	10.30	1	11.08	1	19.21	1	19.20	American	Standard Transp. Co.	430.0	58.2	26.10	San Francisco, Cal.	New York, N. Y.	Gas oil	9,596	7,439	5,209
City of Panama	31	16.54	1	14.20	1	21.35			Panaman	Panama Mail S. S. Co.	296.09	45.93	19.6	San Francisco, Cal.	Cristobal, C. Z.	([26])	2,145	3,848	2,603
Henry D. Whiton	1	17.00	2	6.10	2	16.00	2	16.10	American	Union Sulphur Co.	356.0	51.6	25.0	Westport, Oreg.	Providence, R. I.	Lumber	4,650	5,367	2,925
O-6 [22]			2	7.12	2	14.30			American	U. S. Navy				Balboa, C. Z.	Cristobal, C. Z.				
O-8 [22]			2	7.01	2	14.30			American	U. S. Navy				Balboa, C. Z.	Cristobal, C. Z.				
O-4 [22]			2	7.12	2	14.30			American	U. S. Navy				Balboa, C. Z.	Cristobal, C. Z.				
O-7 [22]			2	7.12	2	14.30			American	U. S. Navy				Balboa, C. Z.	Cristobal, C. Z.				
Port Campbell	2	6.00	2	8.15	2	17.05	5	6.20	British	Com'lth & Dom. Line	480.0	62.4	28.0	Sydney, Australia	London, England	General, frozen	9,309	10,742	7,904
O-9 [22]			2	8.44	2	15.55			American	U. S. Navy				Balboa, C. Z.	Cristobal, C. Z.				
O-10 [22]			2	8.44	2	15.55			American	U. S. Navy				Balboa, C. Z.	Cristobal, C. Z.				
Cardiganshire	2	8.00	2	9.28	2	17.37	3	00.25	British	Royal Mail S. P. Co.	500.0	62.0	27.0	Vancouver, B. C.	Rotterdam, Holland	([27])	9,921	11,420	8,384
Oroya	2	8.55	2	10.28	2	18.55	3	2.24	British	Pacific Steam Nav. Co.	525.3	62.8	28.0	Coronel, Chile	Liverpool, England	([28])	7,279	13,133	9,064
Kansan	2	11.15	2	11.54	2	19.05	2	19.05	American	Amer.-Hawaiian Line	404.6	53.9	23.0	Seattle, Wash.	Boston, Mass.	General	5,685	6,779	4,921
Cambrai [23]	31	16.15	2	13.22	2	19.40	2	19.40	American	U. S. Army	448.0	58.2	24.0	San Francisco, Cal.	Brooklyn, N. Y.	General	268		
Bethore	2	14.45	2	15.48	3	13.25	3	13.25	American	Ore S. S. Corp.	550.3	72.2	33.8	Cruz Grande, Chile	New York, N. Y.	Iron ore	19,800	15,476	4,354

[1] Tanker. [17] Launch. [18] Coffee, hides, and ivory nuts. [19] Coffee, balsam, and skins. [20] Battleship. [21] Motor ship. [22] Submarine. [23] U. S. Army transport. [24] Nitrates, copper, iodine, barley, cotton, and cotton seed oil. [25] Wheat, fruit, and barley. [26] Coffee, lumber, and general. [27] Grain, dried fruit, canned fruits, lumber, and general. [28] Tin ore, oats wool, copper, oil cake, cotton, sugar, sheep skins, and nitrate.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
March 27	Cartago	United Fruit Co	New Orleans via Habana
March 27	Granada	Standard Fruit S. S. Co	San Blas coast, R. P.
March 27	Amazone	Royal Netherlands W. I. Mail	New York, N. Y.
March 28	Philadelphian	Leyland Line	Liverpool via wayports.
March 28	U. D. Vinton [29]	G. I. Bryan	Colon, R. P.
March 28	Bird [29]	E. A. Hawkins	Colon, R. P.
March 28	El Panquiaco [30]	Panaman Government	Colon, R. P.
March 29	Teutonia	Hamburg-American Line	Hamburg via wayports.
March 30	Nellie Moulton [31]	Surgeon Brothers	Colon, R. P.
March 30	M. F. Benefit [29]	F. Britton	Colon, R. P.
March 30	Inapaquina [31]	United Fruit Co	Colon, R. P.
March 30	Abangarez	United Fruit Co	New Orleans via Habana
March 30	Ancon	Panama Railroad S. S. Line	New York via Haiti.
March 30	Cartago	United Fruit Co	Port Limon via Bocas.
March 30	Atlantic [32]	Gen. Cornelius Vanderbilt	New York, N. Y.
March 30	Tivives	United Fruit Co	New York via Kingston.
March 31	Favorita	Standard Fruit S. S. Co	New Orleans, La.
March 31	Santa Marta	United Fruit Co	Santa Marta, Colombia.
March 31	San Benito	United Fruit Co	Boston via wayports.
March 31	Calamares	United Fruit Co	New York via wayports.
March 31	No. 238 [33]	U. S. Navy	Bluefields, Nicaragua.
April 1	Favorita	Standard Fruit S. S. Co	San Blas coast, R. P.
April 2	Carare	Elders & Fyffes, Ltd	Avonmouth via wayports
April 2	Linda S [31]	Surgeon Brothers	Colon, R. P.

* DEPARTURES.

Date.	Vessel.	Line.	For—
March 27	Cleveland [31]	U. S. Navy	High seas.
March 27	Granada	Standard Fruit S. S. Co	New Orleans, La.
March 27	Cartago	United Fruit Co	Port Limon, Costa Rica.
March 27	Adalia	Hamburg-American Line	Pt. Colombia, Colombia.
March 28	U. D. Vinton [29]	G. I. Bryan	Bluefields, Nicaragua.
March 28	Bird [29]	E. A. Hawkins	Bluefields, Nicaragua.
March 28	El Panquiaco [30]	Panaman Government	Colon, R. P.
March 28	Concord [34]	U. S. Navy	Guantanamo, Cuba.
March 28	Dobbin [35]	U. S. Navy	Guantanamo, Cuba.
March 28	Whitney [35]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 232 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 243 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 244 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 253 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 249 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 248 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 242 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 240 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 326 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 288 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 290 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 328 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 295 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 329 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 199 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 289 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 293 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 327 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 294 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 292 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 239 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 231 [33]	U. S. Navy	Guantanamo, Cuba.
March 28	No. 250 [33]	U. S. Navy	Guantanamo, Cuba.
March 29	Philadelphian	Leyland Line	Kingston via Pt. Limon.
March 30	Nellie Moulton [31]	Surgeon Brothers	Bluefields Nicaragua.
March 30	Cartago	United Fruit Co	New Orleans, via Habana.
March 30	Teutonia	Hamburg-American Line	Port Limon, Costa Rica.
March 30	M. F. Benefit [29]	F. Britton	Bluefields, Nicaragua.
March 30	Inapaquina [31]	United Fruit Co	Colon, R. P.
March 31	Tivives	United Fruit Co	Colombian ports.
March 31	Santa Marta	United Fruit Co	New York via Kingston.

[29] Schooner. [30] Transport. [31] Motor schooner. [32] Yacht. [33] Destroyer. [34] Cruiser. [35] Destroyer tender.

(**Continued on page 464, column 2.**)

* Other than ships passing through the Canal.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Two Weeks Ending April 2, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Drechtdijk	Holland-American Line		March 19		129
Cristobal	Panama Railroad S. S. Line		March 20		2,463
Negada	Kosmos Line		March 20		35
Montana	French Line		March 20		347
Notre Dame de Fourviere	French Line		March 20		249
Venezuela	Royal Netherlands W. I. Mail		March 20		206
Heredia	United Fruit Co	March 20	March 20	421	139
Camden	United Fruit Co	March 20	March 21	9,165	7,000
Adalia	Hamburg-American Line	March 21	March 21	231	(2)
Salvador	Pacific Steam Navigation Co	March 21		959	
Mantaro	Peruvian Line	March 21	March 26	2,413	613
Sonora	French Line	March 22	March 23	539	4
Jason	Royal Netherlands W. I. Mail	March 22	March 23	375	71
Dos Hermanos	Isthmian Land & Fruit Co	March 22	March 23	6	(2)
P. de La Touche	French Line	March 22	March 24	425	850
Granada	Standard Fruit S. S. Co	March 22	March 24	125	29
Noorderdijk	Holland-American Line	March 22	March 24	220	(2)
Canadian Traveller	Canadian Gov. Mer. Marine	March 23	March 24	97	(2)
Eemdijk	Holland-American Line	March 23	March 24	5	40
Linda S	R. Feuillebois	March 23	March 23	(1)	21
Heredia	United Fruit Co	March 23	March 23	(1)	397
Turrialba	United Fruit Co	March 23	March 24	785	40
Santa Marta	United Fruit Co	March 23	March 24	465	404
Carrillo	United Fruit Co	March 23	March 24	(1)	53
Cid	Pacific Steam Navigation Co	March 23	March 25	174	661
Kinderdijk	Holland-American Line	March 23	March 25	32	154
Latouche	Panama Mail S. S. Co	March 24		2,189	
La Perla	United Fruit Co	March 24	March 24	3	30
Adalia	Hamburg-American Line	March 24		10	
Ashbee	Grace Line	March 24	March 25	(1)	7
Aconcagua	Chilean Line	March 24	March 25	6	159
Duendes	Pacific Steam Navigation Co	March 24	March 25	40	447
Toloa	United Fruit Co	March 24	March 25	271	55½
Breda	Royal Netherlands W. I. Mail	March 24	March 25	160	3
President Garfield	Dollar Line	March 25	March 25	6	(2)
Chile	East Asiatic Co	March 25	March 26	90	¼
Perene	Peruvian Line	March 26		116	
Cauca	National Navigation Co	March 26		304	
Buenos Aires	Spanish Line	March 26		263	
Axel Johnson	Johnson Line	March 26		186	
Ortega	Pacific Steam Navigation Co	March 26	March 26	106	(2)
Bienvenido	Welcome Line	March 25		130	
Salvador	Pacific Steam Navigation Co		March 27		884
Adalia	Hamburg-American Line		March 27		969
Axel Johnson	Johnson Line		March 27		97
Granada	Standard Fruit S. S. Co	March 27	March 27	(1)	602
Cartago	United Fruit Co	March 27	March 27	369	112
Perene	Peruvian Line		March 28		120
Buenos Aires	Spanish Line		March 28		618
Laguna	Pacific Steam Navigation Co	March 27	March 28	43	57
Zenon	French Line	March 27	March 28	50	140
Amazone	Royal Netherlands W. I. Mail	March 27	April 1	13	1,408
Santa Luisa	Grace Line	March 28	March 28	(1)	278
Bird	J. Pong	March 28	March 28	(1)	40
U. D. Vinton	R. Feuillebois	March 28	March 28	(1)	25
Santos Maru	Osaka Shosen Kaisha	March 28	March 29	82	(2)
Adolf von Baeyer	Hamburg-American Line	March 28	March 29	180	(2)
Kiel	Hamburg-American Line	March 28	April 1	175	570
Leon XIII	Spanish Line	March 28	March 29	250	73
Philadelphian	Leyland Line	March 28	March 29	529	(2)
Teutonia	Hamburg-American Line	March 29	March 30	254	80
M. F. Benefit	A. D. Britton	March 29	March 30	(1)	34½
Dos Hermanos	Isthmian Land & Fruit Co	March 29	March 30	9	(2)
Arauca	Pacific Steam Navigation Co	March 30	March 30	339	137
Acajutla	Pacific Steam Navigation Co	March 30		1,027	
Nellie Moulton	Surgeon Brothers	March 30	March 30	(1)	11
Cartago	United Fruit Co	March 30	March 30	11	426½
Abangarez	United Fruit Co	March 30	March 31	549	6
Tivives	United Fruit Co	March 30	March 31	140	347
Ancon	Panama Railroad Steamship Line	March 30		4,165	
Venezuela	Panama Mail S. S. Co	March 30	March 31	796	(2)
Santa Marta	United Fruit Co	March 31	March 31	1	205
San Benito	United Fruit Co	March 31	March 31	11	50
Favorita	Standard Fruit S. S. Co	March 31	March 31	217	3½
Calamares	United Fruit Co	March 31	April 1	395	367
Amasis	Kosmos Line	March 31	April 1	188	(2)
Ebro	Pacific Steam Navigation Co	March 31	April 1	87	12
Anne Johnson	Johnson Line	March 31	April 1	(1)	300
Evelyn	A. N. Bull S. S. Co	April 1	April 1	8	(2)

[1] No cargo discharged. [2] No cargo laded.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Two Weeks Ending April 2, 1927.—Cont'd.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Favorita	Standard Fruit S. S. Co	April 1	April 2	(1)	212
London Shipper	Furness, Withy & Co	April 1	April 2	(3)	431½
City of Panama	Panama Mail S. S. Co	April 1		2,145	
Latouche	Panama Mail S. S. Co		April 2		1,751
Port Campbell	Commonwealth & Dominion Line	April 2		309	
Lochmonar	Pacific Steam Navigation Co	April 2		420	
Oroya	Pacific Steam Navigation Co	April 2	April 2	29	151
Linda S.	Surgeon Brothers	April 2	April 2	(1)	33
Brielle	Royal Netherlands W. I. Mail	April 2		462	
Illinois	French Line	April 2		129	

[1] No cargo discharged. [3] 6 cases.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Two Weeks Ending April 2, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
La Placentia	Union Oil Co	March 22	March 23	9,728	
District of Columbia	Standard Oil Co	March 23	March 24	10,286	
Jason	Dutch Line	March 23	March 23	98	
W. S. Miller	Standard Oil Co	March 25	March 26	10,763	
Algonquin	Standard Transportation Co	March 25	March 26	9,550	
Chile	East Asiatic Co	March 26	March 26	468	
Mantaro	Peruvian Line	March 26	March 26		38
Salvador	Pacific Steam Navigation Co	March 27	March 27		21
Somme	U. S. Government	March 28	March 30	42	34
Arana	Pacific Steam Navigation Co	March 29	March 30		4
Venezuela	Panama Mail S. S. Co	March 30	March 30	112	
Cambrai	U. S. Government	March 31	April 2	477	96
City of Panama	Panama Mail S. S. Co	March 31	April 1	277	
Hagan	U. S. S. Merchant Fleet Corp	April 2	April 3	10,000	

Young Women Students of Gulf Park College Visit Isthmus.

A party of approximately 80 persons, including about 60 young women students of Gulf Park College, of Gulfport, Mississippi, under the leadership of the president of the college, arrived at Cristobal on the steamer *Parismina* of the United Fruit Co., on April 3, made a sightseeing trip across the Isthmus, stayed at the Hotel Tivoli until April 5, and sailed in the evening of that day for New Orleans, via Bocas del Toro.

Transit of "Empress of Scotland."

The steamer *Empress of Scotland*, owned and operated by the Canadian Pacific Steamships, Limited, and flying the British flag, arrived at Balboa on the morning of April 4, with a party of 375 tourists. She transited the Canal on April 5, and sailed late the same evening for Havana en route to New York and Cherbourg.

The *Empress of Scotland* is finishing her second annual around-the-world cruise. She sailed eastbound from New York on December 2, 1926.

The $17,211.25 in tolls paid by this vessel for her passage through the Canal stands as the high record for commercial vessels.

Ship's Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.15 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $9.00 per ton of 2,240 pounds at Cristobal, and $12.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $9.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $10.00 per ton at Cristobal, $13.00 at Balboa. If less than 50 tons is taken from lighters, prices are $12.00 per ton at Cristobal and $15.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $10.00 Cristobal and $13.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity .. .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to origina point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage in such cases, as provided in Paragraph 4, Item 3, of the tariff, and for handling lines in accordance with Item 4, of the tariff.

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

MOVEMENTS OF OCEAN VESSELS.—Continued from page 461.

PORT OF CRISTOBAL.—continued.

Date	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
		* ARRIVALS.				* DEPARTURES.	
				March 31	Abangarez	United Fruit Co.	New Orleans and waypoints
				March 31	San Benito	United Fruit Co.	Boston via waypoints.
				March 31	Travorita	Standard Fruit S. S. Co	San Blas coast, R. P.
				April 1	Calamares	United Fruit Co.	New York via waypoints.
				April 1	Amazone	Royal Netherlands W. I. Mail.	Curacao, D. W. I.
				April 2	No. 238 [36]	U. S. Navy	Bluefields, Nicaragua.
				April 2	Carare	Elders & Fyffes, Ltd.	Kingston, Jamaica.
				April 2	Atlantic [17]	Gen. Cornelius Vanderbilt.	Cartagena, Colombia.
				April 2	Travorita	Standard Fruit S. S. Co.	New Orleans, La.
				April 2	Linda S [18]	Surgeon Brothers	Bluefields, Nicaragua.

PORT OF BALBOA.

Date	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
March 29	[36] Destroyer.	[37] Yacht	[35] Motor schooner.	March 29.	Pathfinder [38]	Mrs. L. G. Salkey	Panama, R. P.
March 31	Pathfinder [38]	Mrs. L. G. Salkey	Panama, R. P.	March 31.	Agnes E [38]	Pacific Fruit Co	Panama, R. P.
April 1	Agnes E [38]	Pacific Fruit Co	Panama, R. P.				
	Hagan.	McAllister Brothers.	Los Angeles, Calif.				

* Other than ships passing through the Canal.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., April 13, 1927. No. 36.

Facilities for Repair of Vessels at The Panama Canal.

The principal manufacturing and repair plant of The Panama Canal is located at Balboa, the Pacific terminal of the Canal. It is adjacent to an inner harbor, which has an area sufficient to permit access to docks, which aggregate 7,500 feet in length, including commercial docks, repair wharves, and coaling docks.

A much smaller plant is located at Cristobal, the Atlantic terminal, about 1½ miles from the main commercial docks. The following is a brief description of the plants:

THE BALBOA PLANT.

The Balboa dry dock is 1,000 feet long by 110 feet wide, with a depth of 35 feet over the blocks at mean tide. High tide varies from 3 to 11 feet above mean tide. The dock is served by a 50-ton traveling crane with an outside reach of 5 feet beyond the center line of the dock. This crane is also capable of traveling along the face of some of the repair wharves, thus facilitating the prosecution of repairs to vessels.

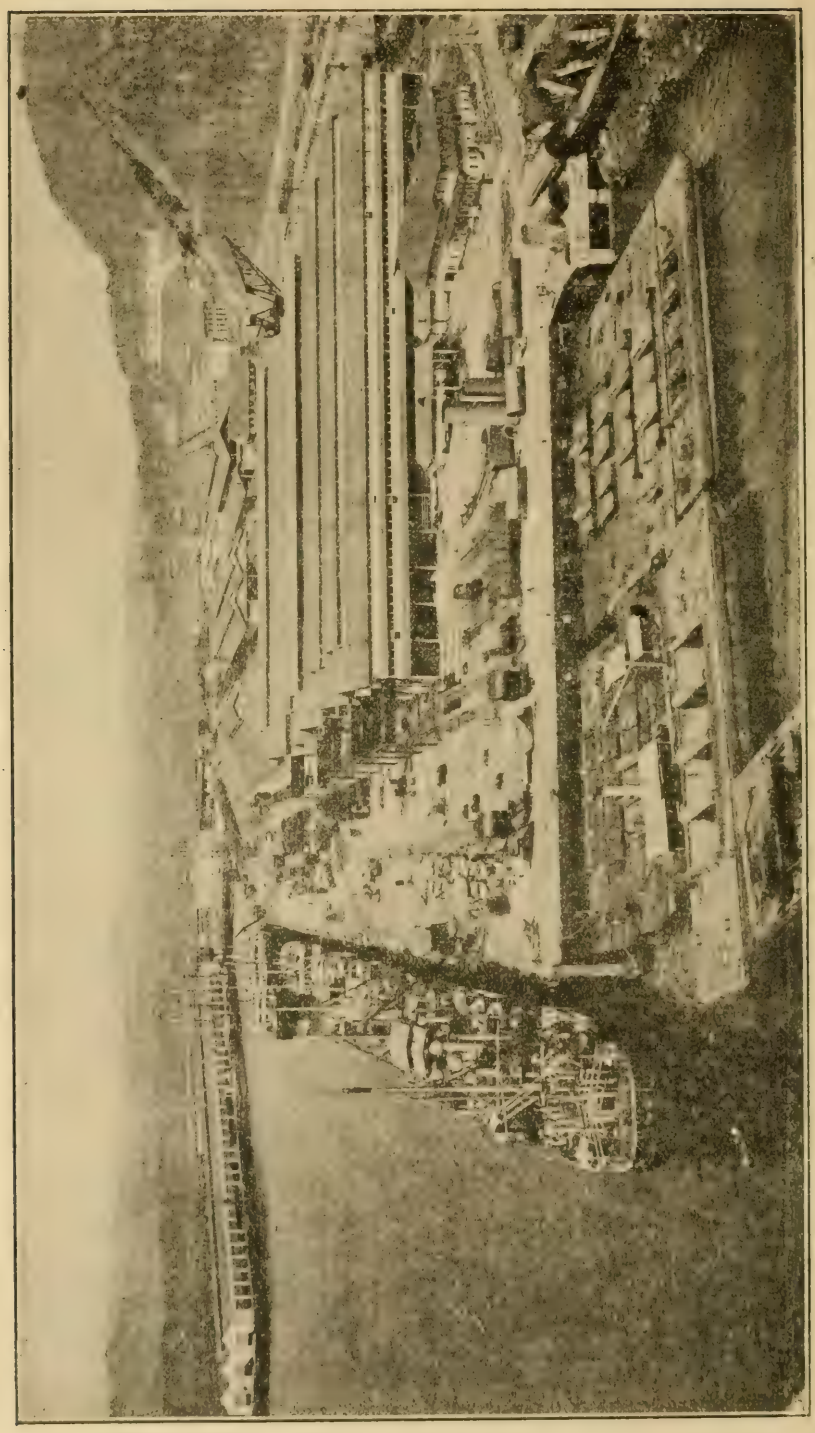
For ships which do not require dry-docking, there are adjacent to the shops approximately 3,500 feet of repair wharves. At regular intervals along the coping of the dry dock and the repair wharves are outlets for air, water, and alternating electric current. A limited quantity of direct current can be supplied by two portable motor-generating sets. Either compressed air or electricity can be supplied for operating auxiliaries on ships on which steam is off. Where refrigerating machinery is shut down, cold storage can be removed from the ship's boxes and stored in the Canal cold storage warehouse nearby.

The repair shops are centrally located with respect to the dry dock and repair wharves. Ample track and crane services provide for handling work between shops and ships.

The main metal working shops (machine, smithery, and boiler shop) are provided with 60-ton overhead traveling cranes, while the foundry has a 25-ton overhead crane. As all the shops are equipped with as complete lines of power tools as are generally found in an up-to-date repair shop, only the larger tools will be given special mention so as to give an idea of the maximum capacity of each department.

The machine shop is provided with a vertical boring mill capable of working 18 feet in diameter, with an open side extension planer 16 feet by 32 feet, and with a lathe 120-inch swing by 65 feet between centers. No ship machinery is too large for the capacity of this shop. This shop has a floor area of approximately 68,180 square feet.

The smithery is provided with a 500-ton forging press with the necessary furnaces to handle any work that the press is capable of.



Vessels at Repair Wharf, Balboa Shops, Panama Canal.

Billets 24 inches square by 19 feet long are kept in stock and can be worked under this press; there are other machinery and tools usually found in a first-class smithery. There is also a department for spring making and a tool-dressing department that includes oil-burning and electric-tempering furnaces of the latest type. This shop has a floor area of approximately 24,386 square feet.

The boiler and ship-fitting shops have a set of rolls capable of bending plates $\frac{3}{4}$ inch by 30 feet, 1 inch by 24 feet, or 2 inches by 6 feet. Any size of ship or boiler plates or structural shapes can be worked by the other machinery which includes angle shears, punches, straightening rolls, plate planer, and bending machine. This shop has a floor area of approximately 46,800 square feet.

The pipe shop is outfitted for plumbing work and for pipe, copper, and sheet-metal work of the highest classes. The floor area of this shop is approximately 17,144 square feet.

The foundry is equipped with a 2-ton tropenas converter and one 2-ton and one 1-ton cupola, and the usual brass furnaces. There is an efficient sand-blast system for cleaning castings, also gate saws, sprue cutters, and other modern equipment, including annealing furnaces, core oven, and mold-drying oven. The foundry can turn out castings as follows: Bronze, brass or composition, $\frac{1}{4}$ pound to 1,000 pounds; iron, $\frac{1}{4}$ pound to 26,000 pounds; steel, $\frac{1}{4}$ pound to 10,000 pounds. In connection with the foundry is a pattern shop equipped to handle any and all classes of pattern work. This foundry and pattern shop together have a floor area of approximately 37,758 square feet.

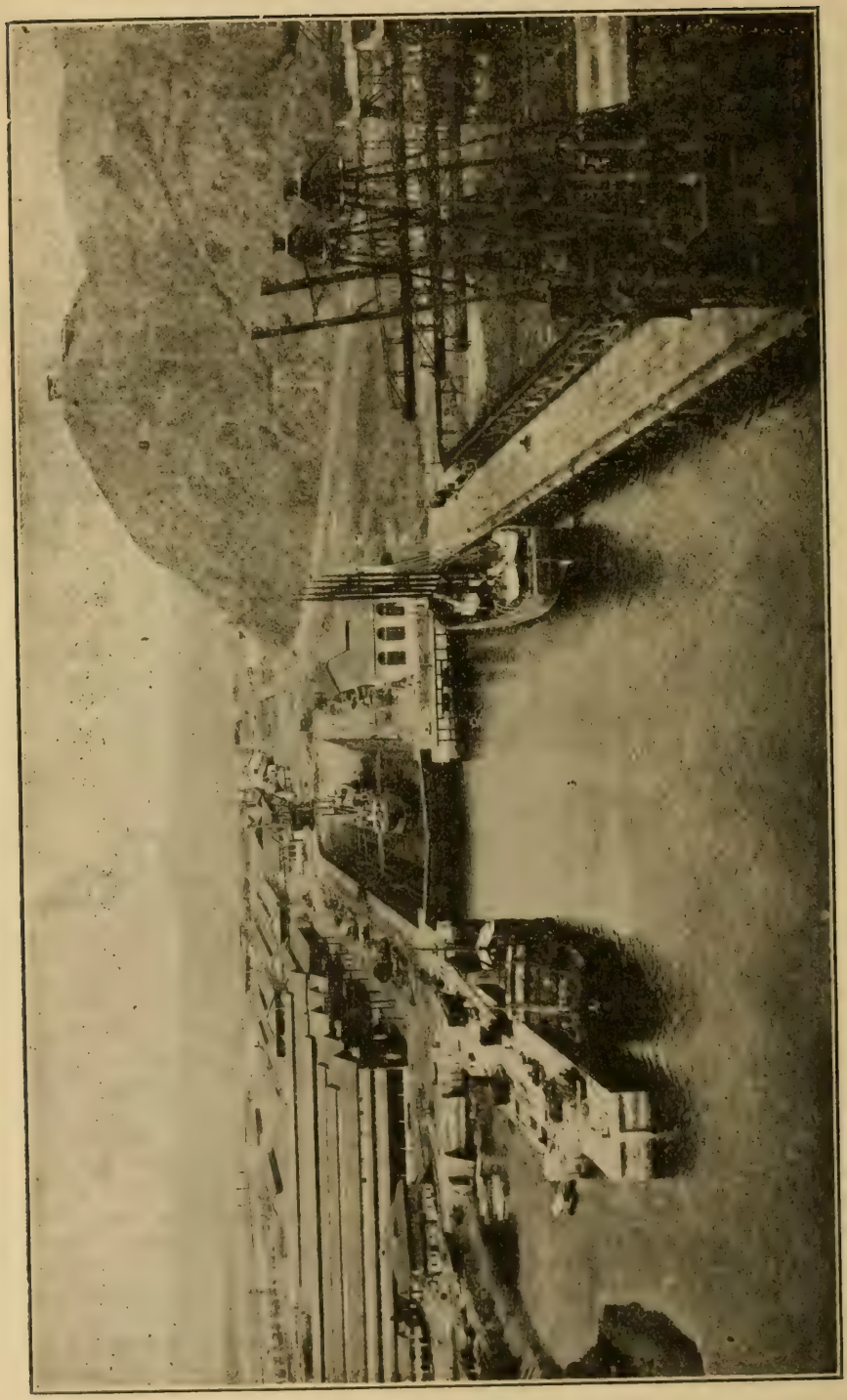
The planing mill and joiner shop is outfitted with the usual woodworking machines, including a 72-inch sawmill capable of handling timbers likely to be used in connection with ship work. This shop has a floor area of approximately 49,044 square feet.

The oxy-acetylene plant has portable electric-welding and oxy-acetylene-cutting outfits capable of handling emergency repairs. The plant develops approximately 400 cubic feet of acetylene per hour, 5,000 cubic feet of oxygen per day, and 10,000 cubic feet of hydrogen per day. All classes of boiler welding are done. Large thermite welds can be performed. Main engine cylinders have been welded in place, both high pressure and low pressure, the welds being as extensive and as successful as the welds made in the United States on engine cylinders during the World War. This plant has a floor area of approximately 910 square feet.

An instrument repair shop is maintained in which repairs are made to navigating instruments, clocks, gauges, typewriters, and computing machines, and other work of a minute character. In connection with this shop there is a plating plant for zinc, copper, nickel, silver, and gold. This shop has a floor area of approximately 2,560 square feet.

Located in the same building with the instrument repair shop is an electric shop under the control of the Electrical Division, the facilities of which are available for the entire Panama Canal. This shop is equipped for motor winding, switchboard work, and making repairs to practically any kind of electrical apparatus. The floor area of this shop is approximately 3,400 square feet.

Painting: The paint used on vessels painted in the dry dock is the variety of bottom paint used by the United States Navy, which paint is compounded fresh, as required, in power paint mills and mixers.



Entrance to 1,000-foot Dry Dock at Balboa Shops, Panama Canal.

Other brands of bottom paint are not stocked, but brands of paint supplied by a vessel, either from her own stores aboard or by local purchase of her own, will be applied. The paint shop does all the painting and varnishing of the Panama Railroad passenger coaches and other rolling stock, also automobiles, etc., and is equipped to apply Nitro-Valspar. This paint shop has a floor area of approximately 14,064 square feet.

There is a car shop equipped with all necessary machinery for the building of railroad cars of all kinds and also the repairing of all the rolling stock of the Panama Railroad. In connection with this shop there is a rerolling mill for rerolling bars and miscellaneous scrap material into rounds and flats. This shop has a floor area of approximately 61,819 square feet.

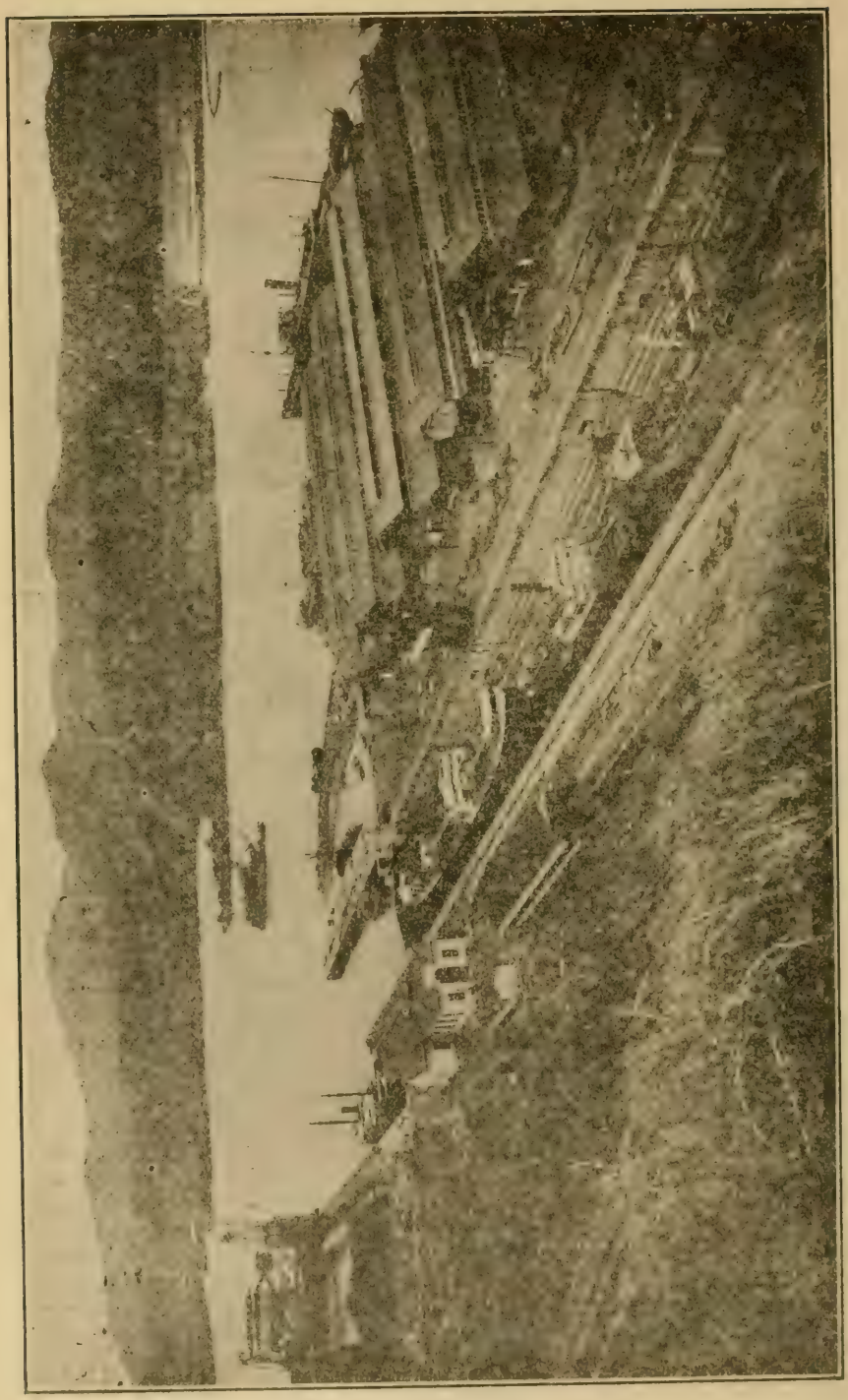
There is located at both the Balboa and the Cristobal Shops and connected therewith, a roundhouse where general overhauling as well as minor repairs are made to the locomotives of the Panama Railroad.

The air compressor plant and dry dock pumping plant at Balboa are located in the same building. There are two 5,000 cubic feet and one 2,500 cubic feet air compressors in use, driven by electric motors and one 2,500 cubic feet steam-driven compressor which is considered only as an emergency unit.

There is a laboratory equipped with a 100,000-pound Riehle testing machine and a Brinell hardness testing machine and other equipment for making physical tests of all kinds. There are also available in another division of The Panama Canal, laboratories where chemical tests can be made of fuel oils, metals, etc.

All shop tools are operated by electricity. The larger tools are provided with independent motors and the smaller tools are arranged in groups and driven from countershafts. The current is obtained from a hydroelectric plant at the Gatun spillway, supplemented by a Diesel-driven plant at Miraflores. The 25-cycle, alternating current is transmitted to the Balboa substation at 44,000 volts. At the substation it is transformed to 2,200 volts and so distributed through underground duct lines to the various shops, where it is further transformed, where necessary, to suitable voltages for use. The variable speed tools in the machine shop are driven by direct current from rotary transformers within the shop. All other tools are driven by alternating current, generally at 220 volts. Current at 220 volts is available at all points along the water front for power purposes, and at 110 volts for lighting in the event of ships' generators being out of use.

The storehouses (under the control of the Supply Department) carry on hand a large stock of steel shapes, pipe, ship fittings, and supplies of every description. Steel plate is carried in stock in all thicknesses up to and including 2 inches. Plates smaller than $\frac{5}{8}$-inch vary by sixteenths and plates larger than $\frac{5}{8}$-inch vary by eighths. The largest plates in stock are 72 inches by 10 feet by 2 inches thick. A large amount of steel billets is kept on hand in all sizes up to and including 24 inches by 24 inches by 19 feet. Structural shapes are carried as follows: I-beams, all sizes up to 27 inches; channels, all sizes up to 15 inches; ship channels, all sizes up to 12 inches; and angles, all sizes up to 8 inches by 8 inches by $\frac{3}{4}$ inch. There are also carried



Three Ships in 1,000-foot Dry Dock at Balboa at Same Time.

in the storehouses lumber of all sizes and miscellaneous equipment and supplies of practically every description that are used in the operation and maintenance of the entire Panama Canal.

In addition to the crane service heretofore mentioned, the services of two floating cranes with a capacity of 250 tons each are available at any time or place in the Canal or the terminal harbors.

THE CRISTOBAL PLANT.

The Cristobal plant has less capacity than the Balboa plant and is intended for repairs of less importance. The activities of these shops are confined to three buildings, of somewhat temporary construction, one of which houses the machine shop, smithery, pipe shop, and power plant; another the boiler and shipfitter's shop; and the third, the woodworking shop. The tools are of smaller capacity than those in use at the Balboa plant, few steps having been taken to modernize the plant pending more definite information as to exactly what the demands upon it will be. It is, however, capable of undertaking routine repairs to vessels; and in emergencies, such parts as require larger tools than are available here can be shipped to Balboa to be machined.

There is available at this plant a small dry dock, originally constructed by the French and later extended by the Americans. This dock is now 300 feet in length, 50 feet in width, and has a depth over the blocks of 13 feet 6 inches at ordinary mean high tide. Adjacent to the shops and dry dock are approximately 2,000 feet of repair wharves.

The facilities of the more extensive plant at Balboa are made available for vessels at the Atlantic end of the Canal through the provision that vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling ship's lines, as provided in the current Panama Canal tariff or supplements thereto.

Notice to Mariners.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., April 4, 1927.

The S. S. *Abangarez* reports that on March 28, 1927, the Gordo Point Light, Nicaragua, was visible for 10 miles, but operating irregularly at 7 p. m.

NOTE.—According to H. O. Notice to Mariners, December 18, 1926, this light was reported extinguished indefinitely for repairs; evidently the same have been effected.

M. L. WALKER,
Governor.

Notice to Mariners.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., March 30, 1927.

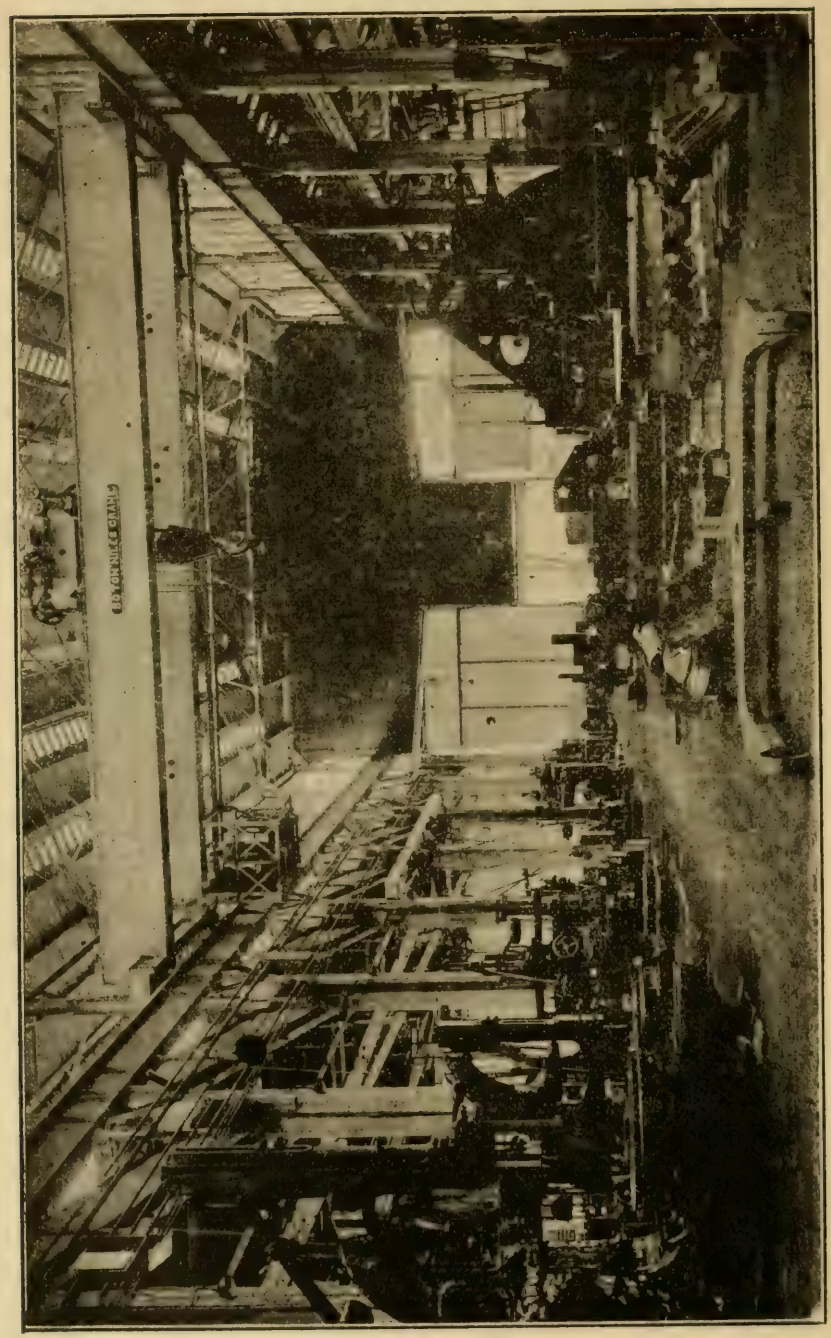
The following cablegram was received by the Port Captain, Balboa:

BUENAVENTURA, COLOMBIA,
March 29, 1927.

Port Captain, Balboa:

Would thank you to notify vessels coming to this port that the Charambira Lighthouse was inaugurated in the following geographical position: Longitude W. 77° 31″ 45′ at 4° 15″ latitude north. Other data will be sent in notice sheets that I am forwarding. Sincerely, MANUAL J. CHAVARRIAGA.

M. L. WALKER,
Governor.



North End of Machine Shop, Balboa Shops, Showing Slotters, Drill Presses, and Boring Mills.

Tanker Traffic Through the Panama Canal in March, 1927.

During the month of March, 118 tank ships transited the Canal, with an aggregate net tonnage, Panama Canal measurement, of 693,-936, on which tolls of $605,281.59 were collected. In point of net tonnage, tanker traffic for the past month showed an increase of approximately 9.1 per cent over the same traffic for the corresponding month a year ago, while cargo tonnage showed an increase of 18.2 per cent over the same cargo tonnage of March, 1926.

Tank ships comprised 23.8 per cent of the total commercial transits of the Canal during the month; made up approximately 28.7 per cent of the total Panama Canal net tonnage; were the source of 27.2 per cent of the tolls collected; and carried approximately 25.8 per cent of the total cargo in transit through the Canal. The number, aggregate tonnage, tolls, and cargo of tank ships transiting the Canal during the month of March, 1927, segregated by direction of transit and nationality of vessels, are shown in the following tabulations, with comparative totals for the two preceding months and for March, 1926:

Nationality.	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
British	8	41,276	$31,220.71	7,400
Danzig	1	5,927	4,267.44	.....
French	1	3,795	2,732.40	.....
Norwegian	6	29,747	21,417.84	.....
United States	44	264,121	190,526.70	.....
Totals, March, 1927	60	344,866	250,165.09	7,400
Totals, February, 1927	60	359,733	260,048.31	.....
Totals, January, 1927	53	304,898	221,922.55	13,799
Totals, March, 1926	59	351,220	255,225.90	17,959
Pacific to Atlantic.				
Belgian	1	6,362	7,634.40	10,416
British	14	72,957	78,009.00	135,033
Danzig	1	5,928	6,502.50	11,103
Norwegian	1	6,287	6,842.50	11,400
United States	41	257,536	256,128.10	479,180
Totals, March, 1927	58	349,070	355,116.50	647,132
Totals, February, 1927	44	255,772	260,493.75	474,403
Totals, January, 1927	50	289,045	288,519.46	532,381
Totals, March, 1926	45	280,494	289,601.15	535,508

Of the total tanker traffic shown above, the following is a summary of the vessels giving Los Angeles as their port of origin or destination, together with the totals of the two preceding months and for March, 1926:

	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
To Los Angeles.				
March, 1927	49	287,266	$207,095.58	.....
February, 1927	51	304,227	219,363.99	.....
January, 1927	46	268,648	193,712.55	.....
March, 1926	52	307,695	222,757.29	6,809
From Los Angeles.				
March, 1927	39	236,440	240,562.50	444,294
February, 1927	34	205,415	209,051.25	387,123
January, 1927	44	257,264	298,437.67	470,800
March, 1926	38	233,192	242,463.65	446,310

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, April 9, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Brielle	2	6 25	3	6 08	3	13 15	3	14 40	Dutch	Royal Neth. W. I. Mail	400.0	58.0	22.0	Hamburg, Germany	Corral, Chile	General, cement	4,157	7,322	4,798
No. 331 [2]	2	18 45	3	6 05	3	14 10	4	18 05	American	U. S. Navy	310.0	31.0	11.7	Gonaives, Haiti	San Diego, Calif.	.....	.....	.....	.....
No. 334 [2]	2	13 35	3	6 25	3	14 15	4	18 05	American	U. S. Navy	310.0	31.0	12.8	Gonaives, Haiti	San Diego, Calif.	.....	.....	.....	.....
Lochmonar [1]	2	6 3	3	7 15	3	14 48	3	15 40	British	Royal Mail S. P. Co.	485.6	62.3	20.8	Rotterdam, Holland	Vancouver, B. C.	General, bananas	2,182	10,766	7,512
Illinois	2	7 3	3	7 25	3	15 12	3	16 18	French	French Line	400.0	51.0	17.11	Havre, France	Talcahuano, Chile	General	1,218	6,336	4,301
El Cisne [1]	2	17 00	3	8 35	3	15 10	3	20 25	British	Anglo-Saxon Pet. Co.	407.0	52.0	17.0	South Shields, Eng.	Los Angeles, Calif.	Ballast	.....	6,046	4,326
Refugolite [1]	3	7 25	3	8 5	3	16 12	3	21 20	British	Imperial Oil Co., Ltd	469.2	63.0	18.6	New York, N. Y.	Talara, Peru	Ballast	.....	9,231	6,304
Virginian	3	8 10	3	10 00	3	16 44	3	17 35	American	Amer.-Hawaiian Line	491.5	58.2	24.5	Boston, Mass.	Tacoma, Wash	General	7,000	10,491	7,546
Canadolite [1]	3	8 35	3	11 00	3	20 30	4	2 48	British	Imperial Oil Co., Ltd.	510.9	68.0	21.6	Charleston, S. C.	Talara, Peru	Ballast	.....	11,556	7,658
Sukoleo	3	12 35	3	12 55	3	19 20	4	22 20	American	Transmarine Lines	324.0	46.0	21.0	Newark, N. J.	Wilmington, Calif	Pipe, general	3,000	3,985	2,619
Ivefjeld	2	4 05	4	6 00	4	13 25	4	12 30	Norwegian	D. Steen	416.4	53.6	18.11	Civita Vecchia, It	Los Angeles, Calif	Ballast	.....	7,062	5,063
Montana	3	20 10	4	6 55	4	15 28	4	16 35	American	Isthmian S. S. Lines	419.5	56.5	31.8	Baltimore, Md	Tacoma, Wash	(7)	10,691	8,696	6,315
Yoseric	4	7 00	4	9 2	4	16 34	4	17 55	British	Andrew Weir & Co	400.0	52.4	25.11	Guantanamo, Cuba	Shanghai, China	Sugar	7,150	5,786	4,092
Vaterland [4]	1	7 00	4	11 25	4	19 56	6	12 10	German	Count Luckner	234.6	43.7	15.0	New York, N. Y.	San Francisco, Cal.	Ballast	.....	1,639	1,337
Munrio	4	11 35	4	12 00	4	21 08	4	21 20	American	Munson S. S. Line	335.0	48.0	22.6	New York, N. Y.	Tacoma, Wash	Machinery, gen.	5,329	4,165	3,066
Ammon	3	11 5	4	11 40	4	18 45	4	19.54	German	Hamburg-American Line	438.4	55.3	23.3	Hamburg, Germany	San Antonio, Chile	General	5,789	7,334	5,221
Gaspark	4	12 35	4	13 55	4	22 05	5	1 51	British	Munson S. S. Line	280.0	41.0	15 6	Baltimore, Md	Pto. Armuelles, R. P.	Steel rails, etc.	2,226	2,242	1,413
Port Curtis	4	13 37	4	14 05	4	21 04	5	1 10	British	Com'lth & Dom. Line	449.0	58.0	26.0	London, England	N. Plymouth, N. Z.	General	5,710	8,500	6,140
Cali	3	16 40	5	6 14	5	14 30	5	15.40	German	Roland Line	216.6	32.0	14.0	Cristobal, C. Z.	Buenaventura, Col.	Ballast	.....	1,105	698
Wanderer	3	20 55	5	7 25	5	15.12	5	16.20	British	T. & J. Harrison	395.5	52.5	15.1	Liverpool, England	Vancouver, B. C.	Ballast	.....	5,776	3,865
Chattanooga City	4	20 27	5	8 15	5	16 11	5	17 20	American	U. S. Steel Products Co.	424.2	56.2	27.0	Charleston, S. C.	Shanghai, China	(8)	8,184	7,611	5,450
Poleric	5	6 30	5	9 30	5	17 10	5	18.29	British	Andrew Weir & Co	461.5	52.1	26.0	New York, N. Y.	Shanghai, China	Oil, steel, general	5,757	8,255	5 944
Dixie Arrow [1]	5	8 10	5	11.00	5	18 04	5	23 22	American	Standard Oil Co	468.3	62.7	21.0	New York, N. Y.	San Francisco, Cal.	Ballast	.....	9,744	7,140
Archer	5	9 30	5	12 00	5	19.40	6	1.00	American	Barber S. S. Line	440.0	56.0	26.0	New York, N. Y.	Shanghai, China	General	8,108	8,315	6,100
Canadian Cruiser	5	11 18	5	13 05	5	20.28	6	6.05	British	Can. Gov. Mer. Marine	430.0	56.0	20.0	Halifax, N. S.	Brisbane, Australia	General	2,224	7,680	5,494
Dos Hermanos [3]	4	17 35	5	10.30	5	19 40	5	20 35	Panaman	Isth. Land & Fruit Co.	35.0	12.0	3.0	Cristobal, C. Z.	Panama, R. P.	Ballast	.....	17	13
Baron Ruthven	5	17 15	6	6 15	6	13 53	6	15 10	British	Czarnikow Rionda Co.	336 3	48.5	21 5	Nuevitas, Cuba	Auckland, N. Z.	Sugar	4,802	3,693	2,590
Willzipo	6	7 07	6	7 20	6	15 08	6	22 20	American	Williams S. S. Line	415.0	55.6	24.0	Baltimore, Md	Tacoma, Wash	General	6,750	7,731	5,805
Colombia	5	16 00	6	10 33	6	16 58	7	00 30	American	Panama Mail S. S. Co.	380.0	48.7	24 6	New York, N. Y.	San Francisco, Cal.	(9)	2,715	6,015	4,281
Takaoka Maru	6	11 48	6	12 10	6	18 43	6	19 40	Japanese	Nippon Yusen Kaisha	445.0	58.0	24.10	Baltimore, Md	Kobe, Japan	General	8,163	7,989	5,856
Sunik [3]	6	8 35	6	12 10	6	20 33	8	23 47	French	Anglo-Saxon Pet. Co.	385.0	50 3	19.0	Newcastle-on-Tyne	Los Angeles, Calif.	Ballast	.....	5,177	3,806
Brandanger	6	11 05	6	13 00	6	19 32	6	20 48	Norwegian	Westfal, Larsen & Co.	396.7	53.6	22.0	Buenos Aires, Arg.	San Francisco, Cal.	Coffee, general	6,300	6,289	4,722
Robert Luckenbach	6	10.22	6	13.35	6	21.20	6	22.44	American	Luckenbach Line	445.0	58.0	29.3	Boston, Mass.	Seattle, Wash	General	8,996	8,695	6,375
Gen. G. W. Getty [6]	.....	.....	6	6.45	.....	.....	.....	.....	American	U. S. Army	89.0	22.0	.....	Cristobal, C. Z.	Pedro Miguel, C. Z.	.....	.....	.....	.....
Santa Elisa	6	21 38	7	6.06	7	13 33	7	17.35	American	Grace Line	360.3	51.7	23.6	New York, N. Y.	Talcahuano, Chile	General	2,565	5,957	4,325

[1] Tanker. [2] Destroyer. [3] Motor ship. [4] Yacht. [5] Motor schooner. [6] Tug. [7] Tin plates, steel, and general. [8] Sulphate of ammonia and general. [9] General and linseed oil.

Cauca [9]	3-26	18.00	7	6.11	7	15.05	7	21.38	Colombian	National Nav. Co.	107.0	22.0	11.3	Cristobal, C. Z.	Buenaventura, Col.	General	277	238	163
Mendocino [1]	7	6.37	7	6.55	7	14.35	7	15.40	Norwegian	Huasteca Petroleum Co.	425.0	57.0	21.0	New Orleans, La.	Los Angeles, Calif.	Ballast	.....	7,118	5,107
Port Armstrong	7	6.08	7	8.17	7	16.37	7	21.38	American	Charles Nelson Co.	324.0	46.0	24.6	Pensacola, Fla.	Seattle, Wash.	General	5,150	3,984	2,628
Orita	6	20.45	7	9.30	7	17.02	7	18.20	British	Pacific Steam Nav. Co.	485.0	58.0	24.0	Liverpool, England	Coronel, Chile	General	3,334½	9,936	6,561
Hagood [1]	7	11.15	7	11.30	7	17.45	7	21.38	American	Cities Service Corp.	435.6	56.2	19.0	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	7,426	5,094
Hanover	7	12.15	7	12.30	7	19.08	8	1.17	American	Atl. Gulf & Oriental Co.	435.0	57.6	21.6	Houston, Texas	Genzan, Japan	(12)	6,001	7,982	5,911
Hudson	3	22.20	8	6.14	8	14.12	8	15.20	French	French Line	396.4	50.8	18.2	Havre, France	Talcahuano, Chile	General	1,987	5,948	4,225
Hugoton [1]	7	15.05	8	6.18	8	15.12	8	16.30	American	C. D. Mallory & Co.	434.8	56.2	21.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast	.....	7,429	5,147
President Harrison	8	3.45	8	7.30	8	15.05	9	00.01	American	Dollar Line	502.1	62.2	26.0	New York, N. Y.	San Francisco, Cal.	General	4,730	12,031	8,495
Kotonia	7	17.20	8	8.15	8	16.48	8	18.15	Danish	Isbrandtsen Moller Co.	282.8	41.1	16.8	Pto. Barrios, Guat.	La Paz, Mexico	Case oil	1,776	2,697	1,912
Queen Eleanor	7	20.45	8	8.25	8	15.56	8	16.50	British	N. Z. Shipping Co.	401.0	52.0	20.0	Newport News, Va.	Melbourne, Aust'lia.	General	6,300	5,808	4,054
James B. Duke	8	3.25	8	9.30	8	16.56	8	18.15	American	Garland S. S. Co.	385.0	51.2	12.0	Baltimore, Md.	Aberdeen, Wash.	Ballast	.....	6,242	4,471
Georgian	8	6.10	8	10.45	8	18.44	8	19.28	American	Amer.-Hawaiian Line	386.5	52.2	20.3	Baltimore, Md.	Seattle, Wash.	General	4,780	5,719	4,023
Tosto	5	9.35	8	11.00	8	18.52	8	20.00	Norwegian	Linea Mercante de Col.	247.7	38.3	16.5	New York, N. Y.	Buenaventura, Col.	General	1,950	1,841	1,192
Gen. Wm. M. Graham [10]	.....	.....	8	7.15	8	15.05	.....	.....	American	U. S. Army	156.0	32.0	.....	Cristobal, C. Z.	Balboa, C. Z.	.....	.....	.....	.....
Acajutla	3-30	20.10	9	6.05	9	14.52	9	18.12	British	Pacific Steam Nav. Co.	215.7	33.5	17.6	Cristobal, C. Z.	Champerico, Guat.	General	1,109	1,273	706
Mineola	7	11.48	9	6.10	9	15.06	9	16.15	American	N. O. & S. A. S. S. Line	298.6	40.0	21.8	New Orleans, La.	Talcahuano, Chile	General	2,636	2,835	1,805
Santa Maria [1]	7	19.56	9	6.20	9	15.53	9	16.50	American	Union Oil Co.	460.0	60.0	21.4	Cristobal, C. Z.	Los Angeles, Calif.	Ballast	.....	8,746	5,679
Lebore	8	5.00	9	7.15	9	16.23	9	17.25	American	Ore S. S. Corp.	550.0	72.0	23.7	Norfolk, Va.	Cruz Grande, Chile	Ballast	.....	14,325	4,635
Montanan	8	21.35	9	8.05	9	16.47	9	17.55	American	Amer.-Hawaiian Line	404.6	53.9	21.4	New York, N. Y.	Portland, Oreg.	General	5,077	6,756	4,773
Tritonia	8	22.20	9	9.40	9	17.25	9	18.30	British	Lallies S. S. Corp.	400.5	52.3	23.0	Houston, Texas	Kobe, Japan	General	5,766	5,984	4,287
Deroche [1]	9	1.15	9	11.00	9	18.18	9	22.12	American	Union Oil Co.	435.0	56.0	23.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast	.....	7,452	5,199
El Lobo [1]	9	8.07	9	11.05	9	19.30	10	1.00	British	C. T. Bowring & Co.	385.2	51.0	20.0	Fall River, Mass.	La Libertad, Ecuad.	Ballast	.....	4,851	3,311
Capt. Jos. Plisson	9	5.55	9	12.35	9	20.20	9	21.40	French	Compag. Naval Oceanic	363.0	49.1	25.3	Bordeaux, France	Noumea, N. Cal.	General	4,690	4,941	3,291
Lena Luckenbach	9	13.15	9	13.30	9	21.07	9	22.12	American	Luckenbach Line	425.0	53.8	21.3	New Orleans, La.	Los Angeles, Calif.	General	4,967	7,217	5,295

[1] Tanker. [10] Mine planter. [11] Case oil, cotton, and tobacco.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

W. H. Tilford [1]	2	15.10	3	6.15	3	14.25	3	14.25	American	Standard Oil Co. of N.J.	411.6	53.4	25.0	Talara, Peru	Habana, Cuba	Gasoline	7,816	6,205	4,264
Osiris [3]	3	3.00	3	7.42	3	15.40	3	15.40	German	Kosmos Line	376.12	51.76	24.4	Seattle, Wash.	Hamburg, Germany	General	6,210	5,788	4,023
Jacksonville [3]	3	5.00	3	8.30	3	16.30	4	12.25	American	Grace Line	333.8	48.0	23.6	Iquique, Chile	New York, N. Y.	General	5,072	4,128	2,664
Cali	3	5.40	3	8.36	3	16.40	5	6.14	German	Roland Line	216.5	32.9	14.10	Guayaquil, Ecuador	Cristobal, C. Z.	(12)	809	1,105	698
Garfield	3	6.00	3	9.04	3	17.10	3	23.40	American	N. O. & S. A. S.S. Line	299.4	45.0	21.2	Iquique, Chile	New Orleans, La.	Nitrate	3,531	3,250	2,010
Cape Town Maru	3	6.00	3	9.24	3	17.55	4	12.40	Japanese	Kokusai Kisen Kaisha	385.0	52.0	22.0	Iquique, Chile	Alexandria, Egypt	Nitrate	8,000	6,209	4,658
Canadian Explorer	3	6.30	3	10.02	3	18.15	3	19.05	British	Can. Gov. Mer. Marine	400.0	52.3	16.0	Timaru, N. Z.	Montreal, Canada	Wool, general	1,911	5,853	4,058
Sciota [5]	.....	.....	3	10.10	3	18.50	10	10.45	American	U. S. Navy	155.0	30.0	.....	Balboa, C. Z.	Cristobal, C. Z.	.....	.....	.....	.....
Oakworth	3	1.00	3	11.11	3	18.45	4	10.40	British	Dalgliesh S. S. Co.	400.1	53.2	24.1	Vancouver, B. C.	Cobh, I. F. S.	Wheat	7,331	5,615	3,757
Induna	3	11.45	3	12.27	3	20.00	3	20.00	British	Wessel, Duval & Co.	402.0	52.2	25.2	Antofagasta, Chile	Savannah, Ga.	Nitrate	7,750	5,634	4,172
Rimutaka	3	11.00	4	6.24	4	13.35	4	22.00	British	N. Z. Shipping Co.	457.75	53.25	25.0	Wellington, N. Z.	London, England	Meat, cheese, etc.	4,956	9,201	6,961
Frederic R. Kellogg [1]	3	19.00	4	7.10	4	18.05	4	18.05	American	Pan-Amer. Pet. &Tr.Co.	426.8	57.0	27.6	Los Angeles, Calif.	New York, N. Y.	Fuel oil	8,540	7,178	4,963
Dos Hermanos [5]	4	4.00	4	7.21	4	17.35	5	10.30	Panaman	Isth. Land & Fruit Co.	49.0	12.9	5.0	San Miguel, R. P.	Cristobal, C. Z.	Bananas	.....	17	13
Robin Gray	3	22.15	4	8.24	4	18.40	4	18.40	American	Seas Shipping Co.	424.8	55.2	26.6	Tacoma, Wash.	Baltimore, Md.	Lumber	7,000	7,472	5,542

[1] Tanker. [12] Cacao, ivory nuts, and hides.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port. Day.	Arrived at port. Hour.	Entered Canal. Day.	Entered Canal. Hour.	Completed transit. Day.	Completed transit. Hour.	Cleared for sea. Day.	Cleared for sea. Hour.	Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo. Nature.	Cargo. Tons.	Panama Canal tonnage. Gross.	Panama Canal tonnage. Net.
Cities Service Petrol [1]	3	22.46	4	8.57	4	19.15	5	19.15	American	Cities Service Corp.	468.3	62.7	30.6	Los Angeles, Calif.	Philadelphia, Pa.	Fuel oil	12,800	9,802	7,292
Montana [1]	4	7.20	4	9.12	4	20.21	4	23.18	Norwegian	Wilh. Wilhelmsen.	425.0	57.0	26.1	Los Angeles, Calif.	Rio de Janerio, Br	Fuel, gas	9,000	7,117	5,099
Essequibo	4	8.17	4	10.01	4	17.47	5	00.40	British	Pacific Steam Nav. Co	450.35	57.8	25.0	Talcahuano, Chile	New York, N. Y	([16])	3,711	9,158	6,176
Vistula [1]	4	10.15	4	11.27	4	21.00	4	21.00	Danzig	Standard Oil Co. of N. J.	499.0	64.0	27.6	Talara, Peru	Charleston, S. C.	Crude oil	13,000	10,604	8,167
No. 302 [2]	3-22	8.21	4	11.13	4	20.10	4	20.10	American	U. S. Navy	310.0	30.11	11.0	San Diego, Calif.	Guantanamo, Cuba	.....	.....	.....	.....
Point Judith	4	6.45	4	11.19	4	20.25	4	20.25	American	Swayne & Hoyt	289.0	44.15	18.4	Vancouver, B. C.	New Orleans, La.	General	2,832	2,902	1,962
La Marsaillaise	4	12.35	4	13.23	4	22.04	5	23.55	French	French Line	429.5	58.3	26.6	Vancouver, B. C.	Havre, France.	General	8,583	8,079	5,580
Havre Maru	4	2.40	4	14.13	4	22.40	4	22.40	Japanese	Osaka Shosen Kaisha.	407.25	50.80	17.4	Shanghai, China.	New York, N. Y.	General	2,267	6,539	4,773
Tatsuno Maru	4	7.00	4	15.03	5	00.12	5	11.00	Japanese.	Nippon Yusen Kaisha.	445.0	58.0	26.0	Manila, P. I.	New York, N. Y.	([17])	8,177	8,015	5,716
Empress of Scotland	4	5.07	5	6.15	5	14.05	5	23.10	British	Canadian Steamships.	678.25	77.3	29.0	San Francisco, Cal.	Southampton, Eng.	Passengers only	.....	27,218	18,999
Foldenfjord [1]	5	4.30	5	7.02	5	15.40	5	22.00	Norwegian	Norwegian-Amer. Line	445.0	59.0	24.8	Los Angeles, Calif.	Land's End, Eng. [18]	Tops	9,259	7,780	5,520
Hans Leonhardt [14]	4	15.30	5	7.59	5	16.40	7	6.30	German	Colombian Transp. Co.	230.31	36.08	13.9	Buenaventura, Col.	Cristobal, C. Z.	([19])	888	1,568	909
Dorothy Luckenbach	5	00.25	5	9.16	5	17.30	5	17.30	American	Luckenbach Line	448.9	60.2	28.9	Portland, Oreg.	Boston, Mass.	Lumber, general.	8,378	9,294	6,861
Kapolna	5	9.30	5	10.29	5	19.10	5	23.50	Norwegian	Scand. So. Pacific Co.	265.0	42.0	18.3	Antofagasta, Chile.	Mobile, Ala.	Nitrate	2,700	.....	.....
Willboro.	4	19.03	5	10.31	5	18.05	5	18.05	American	Williams S. S. Co.	414.7	55.7	27.6	San Francisco, Cal.	Philadelphia, Pa.	Lumber, general.	8,952	7,717	5,763
Patrick Henry.	5	4.00	5	12.35	5	20.10	5	20.10	American	Amer.-Pioneer Line, S.B.	455.0	60.0	27.8	Cebu, P. I.	New York, N. Y.	General	10,883½	8,987	6,612
Talaralite [1]	5	12.15	5	13.03	5	22.12	6	1.35	British	Imperial Oil Co., Ltd.	250.0	43.8	22.0	Talara, Peru	Halifax, N. S.	Refined oil	3,200	2,631	1,570
W. L. Steed [1]	6	2.45	6	6.02	6	14.00	6	14.00	American	Pan-Amer. Pet. & Tr. Co.	416.8	56.1	27.6	Los Angeles, Calif	Baltimore, Md	Gasoline	9,000	6,751	4,795
Manchuria	5	13.30	6	7.20	6	17.05	6	19.40	American	Panama-Pacific Line	600.0	65.3	....	San Francisco, Cal.	New York, N. Y.	([20])	4,271	17,044	11,488
Zurichmoor	5	19.00	6	8.02	6	18.15	6	20.15	British	W. Runciman & Co.	371.8	55.35	24.0	Antofagasta, Chile.	Azores [18]	Nitrate of soda.	7,200	4,891	3,300
Aritz Mendi.	5	23.30	6	9.25	6	18.35	6	19.35	Spanish	Sota & Aznar	415.0	53.6	24.0	Tocopilla, Chile.	Falmouth, England	Nitrate of soda.	7,608	6,127	4,285
Helen Olmsted [1]	6	5.12	6	10.06	6	18.51	6	18.50	American	Calif. Pet. S. S. Corp.	425.8	57.0	28.0	Los Angeles, Calif	New York, N. Y.	Fuel oil	10,000	7,484	5,216
Gargoyle [1]	6	6.12	6	11.06	6	19.25	6	19.25	American	Vacuum Oil Co.	425.0	57.02	27.2	San Francisco, Cal.	Philadelphia, Pa.	Lubricating oil	10,004	7,510	4,989
Lancaster.	6	6.24	6	12.14	6	20.05	6	20.05	American	Argonaut S. S. Co.	435.0	57.6	27.5	Everett, Wash.	Baltimore, Md	Lumber	6,892	7,935	5,841
Agwistar.	6	9.30	6	12.44	6	21.17	6	23.55	American	N. Y. & Cuba Mail Co	370.0	53.1	24.6	Iquique, Chile.	Charleston, S. C.	Nitrate of soda.	7,063	5,523	4,068
La Brea [1]	6	12.40	7	6.12	7	14.10	7	14.10	American	Union Oil Co. of Calif.	425.0	56.2	27.4	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	8,800	7,150	4,765
Curaca	6	18.45	7	8.00	7	15.40	7	15.40	American	Grace Line	403.0	52.3	29.0	Punta Arenas, Chile	New York, N. Y	General	8,889	6,804	4,897
Cellina [14]	6	12.15	7	8.12	7	16.05	7	23.59	Italian	Nav. Libera-Triestina	436.6	53.74	27.6	Vancouver, B. C.	Marseilles, France	General	8,820	7,792	5,934
Charles Christensen	6	22.20	7	8.43	7	16.50	7	16.50	American	Arrow Line	409.7	54.3	25.0	Aberdeen, Wash	Baltimore, Md	Lumber	8,800	6,693	4,915
Canadian Ranger	6	23.33	7	9.06	7	17.25	7	17.25	British	Can. Gov. Mer. Marine	400.45	52.39	23.3	Victoria, B. C	Halifax, N. S.	Lumber, general.	5,527	5,879	4,121
Jamaica	7	2.45	7	9.42	7	18.45	....	.....	British	Pacific Steam Nav. Co.	220.0	34.0	13.0	Champerico, Guat.	Cristobal, C. Z	General	874	1,187	622
Oregonian	7	7.15	7	10.43	7	18.00	7	18.00	American	Amer.-Hawaiian Line	404.6	53.95	26.2	Portland, Oreg.	Boston, Mass.	General	5,800	6,754	4,680
Santa Maria [1]	7	7.50	7	11.12	7	19.56	9	6.20	American	Union Oil Co. of Calif.	460.0	60.0	31.0	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	12,000	8,746	5,679
Santa Helena [15]	6	21.00	7	12.25	7	22.00	....	.....	Costa Rican.	Costa Rican Gover'ent	118.0	10.6	12.0	Puntarenas, C. R.	Cristobal, C. Z	.....	.....	.....	.....
Haraldsvang	7	13.05	7	14.11	7	21.40	7	22.00	Norwegian	DuPont Nitrate Co.	325.4	48.0	21.3	Iquique, Chile.	New Orleans, La.	Nitrates	4,700	3,552	2,464

[1] Tanker. [2] Destroyer. [14] Motor ship. [15] Motor schooner. [16] Copper, nitrate, cotton, etc. [17] Coconut oil and sugar. [18] For orders. [19] Coffee, hides, hats, and gold.

[20] Canned goods, hay, and shingles.

Svealand [14]	7	19.00	8	5.59	8	14.35	8	14.35	Swedish	Axel Brostrom & Son	561.10	72.3	34.0	Cruz Grande, Chile	Baltimore, Md	Iron ore	20,000	15,425	4,421
Erfurt [14]	7	17.30	8	7.15	8	16.15	9	12.40	German	Roland Line	359.53	51.0	24.0	Iquique, Chile	Hamburg, Germany	General	5,475	5,038	3,533
Suscolanco	7	17.45	8	8.15	8	17.10	8	17.10	American	Transmarine Lines	324.0	46.2	24.0	Vancouver, B. C.	Port Newark, N. J.	Lumber, general	4,111	3,984	2,612
Oran	7	19.00	8	8.40	8	16.25	8	16.25	American	Oriental Nav. Co	410.5	54.2	25.6	Portland, Oreg	Philadelphia, Pa	Lumber, general	7,230	6,755	4,887
Hannawa	7	20.07	8	9.08	8	17.40	8	17.40	American	Arrow Line	440.0	56.0	29.6	Portland, Oreg	Baltimore, Md	Lumber, copper	9,850	8,300	6,020
Canadian Miller	8	3.42	8	9.45	8	18.20	8	20.35	British	Can. Gov. Mer. Marine	400.3	52.35	17.0	Adelaide, Australia	Halifax, N. S	General	2,153¾	5,892	4,186
Robin Adair	8	4.30	10.09	8	18.50	8	18.50	American	Seas Shipping Co	424.8	55.2	27.4	Victoria, B. C	New York, N. Y	Fir lumber	7,660	7,470	5,529
Malabar [1]	8	4.22	8	12.05	8	19.40	8	19.40	American	C. D. Mallory & Co	474.7	60.0	24.6	Los Angeles, Calif	St. Thomas, V. I	Crude oil	11,000	8,633	6,314
Tirso	8	13.35	8	14.26	8	21.35	9	23.05	Italian	Italian Line	379.04	52.58	24.0	Valparaiso, Chile	Genoa, Italy	Nitrate	4,692	5,870	4,188
Gen. G. W. Getty			8		8				American	U. S. Army	98.0	22.0		Pedro Miguel, C. Z.	Cristobal, C. Z				
West Montop	8	14.45	9	6.20	9	14.50	9	14.50	American	Calif. & East'n S. S. Co.	410.0	54.0	26.3	Seattle, Wash	Baltimore, Md	Lumber	7,767	6,484	4,675
Bienvenido	8	18.13	9	6.59	9	16.15			British	P. N. & J. N. Carranza.	210.3	32.15	12.0	Buenaventura, Col.	Cristobal, C. Z			1,345	806
Cuyama [1]	9	5.46	9	8.06	9	17.05	9	17.05	American	U. S. Navy	475.0	57.0	26.8	Los Angeles, Calif	Guantanamo, Cuba	(22)	7,500		
Cape Town [21]	8	17.15	9	9.09	9	17.20	9	17.20	British	British Navy	451.8	43.6	15.6	Talara, Peru	Bermuda				
Cerro Ebano [1]	8	21.05	9	9.57	9	18.10	9	19.55	American	Huasteca Petroleum Co.	480.5	66.0	28.1	Los Angeles, Calif	New York, N. Y	Fuel oil	13,000	9,389	6,453
Benlawers	9	9.30	9	11.03	9	19.00	9	19.55	British	Ben Line, Ltd	378.0	46.10	23.0	Portland, Oreg	Leith, Scotland	Lumber, general	5,200		
Crampton Anderson	9	10.00	9	12.07	9	19.25	9	19.25	American	Pan-Amer. Pet. & Tr. Co.	435.0	56.0	28.6	Los Angeles, Calif	Portland, Me	Fuel oil	10,000	7,406	5,159
David McKelvy [1]	9	12.30	9	13.11	9	21.15	9	21.15	American	Tidewater Oil Co	430.0	59.2	29.9	Los Angeles, Calif	New York N. Y	Crude oil	11,121	7,629	5,324

[1] Tanker. [21] Cruiser. [22] Fuel and lubricating oil. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
April 3	Parismina	United Fruit Co	New Orleans via Habana.	April 3	Parismina	United Fruit Co	Port Limon, Costa Rica.
April 3	Kanawha	U. S. Navy	Melville, R. I.	April 3	Ancon	Panama Railroad S. S. Line	New York via Haiti.
April 4	Pastores	United Fruit Co	New York via Habana.	April 4	Kanawha	U. S. Navy	Guantanamo, Cuba.
April 5	Parismina	United Fruit Co	Port Limon, Costa Rica.	April 5	Parismina	United Fruit Co	New Orleans via Habana.
April 5	Van Renselaer	Royal Netherlands W. I. Mail	Amsterdam via wayports.	April 5	Inapaquina [23]	United Fruit Co	Colon, R. P.
April 5	Inapaquina [23]	United Fruit Co	Colon, R. P.	April 6	Van Renselaer	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
April 6	Coppename	United Fruit Co	New Orleans, La.	April 6	Pastores	United Fruit Co	Port Limon, Costa Rica.
April 6	Atenas	United Fruit Co	New Orleans via Habana.	April 7	Sixaola	United Fruit Co	Colombian ports.
April 6	Sixaola	United Fruit Co	New York via Kingston.	April 7	Tivives	United Fruit Co	New York via Kingston.
April 6	Perou	French Line	St. Nazaire via wayports.	April 7	Coppename	United Fruit Co	Port Limon and Bocas.
April 6	Granada	Standard Fruit S. S. Co	New Orleans, La.	April 7	Atenas	United Fruit Co	New Orleans and wayports.
April 7	Tivives	United Fruit Co	Colombian ports.	April 7	Granada	Standard Fruit S. S. Co	San Blas coast, R. P.
April 7	San Bruno	United Fruit Co	Boston via wayports.	April 8	Perou	French Line	St. Nazaire via wayports.
April 9	Granada	Standard Fruit S. S. Co	San Blas coast, R. P.	April 8	San Bruno	United Fruit Co	Port Limon, Costa Rica.
April 9	Macabi	United Fruit Co	New York via wayports.	April 9	Granada	Standard Fruit S. S. Co	New Orleans, La.
April	Teutonia	Hamburg-American Line	Puerto Barrios.	April 9	Macabi	United Fruit Co	New York via Habana.
April 9	No. 237 [24]	U. S. Navy	Nicaragua.	April 9	Teutonia	Hamburg-American Line	Hamburg via wayports.
April 9	Van Renselaer	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.				

[23] Motor schooner. [24] Destroyer.

PORT OF BALBOA.

April 4	Pathfinder [25]	Mrs. L. G. Salkey	Panama Bay, R. P.	April 3	Hagan	McAllister Brothers	Los Angeles, Calif.
				April 4	Pathfinder [25]	Mrs. L. G. Salkey	Panama Bay, R. P.

[25] Motor schooner.

* Other than ships passing through the Canal.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division

Traffic by Nationality for March, 1927.

The following tabulations show the commercial traffic through the Canal during the month of March, 1927, classified according to nationality of vessels, by direction of transit, and the combined traffic in both directions, together with corresponding totals for March, 1926 and 1925:

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered. Gross.	Registered. Net.		
Belgian	1	4,142	4,792	6,511	4,172	$3,450 24	.....
British	71	255,431	339,037	413,861	257,320	292,006.84	240,593
Chilean	2	3,738	4,932	7,934	4,243	4,523.00	2,371
Colombian	2	1,248	1,566	2,152	1,300	1,541.95	1,785
Danish	2	7,839	10,246	11,367	7,912	9,798.75	8,898
Danzig	1	5,207	5,927	8,744	5,026	4,267.44	.....
Dutch	6	24,782	32,371	38,030	23,505	29,397.00	16,259
Finnish	1	1,837	1,833	2,019	1,743	1,377.75	.....
French	4	14,837	19,103	23,901	14,337	17,161.15	8,835
German	8	29,196	27,866	31,831	19,143	23,609.29	26,404
Italian	3	13,601	15,155	19,482	11,879	16,726.85	3,929
Japanese	10	41,534	48,652	62,182	41,401	47,203.76	45,215
Norwegian	18	60,767	75,694	96,545	59,570	58,887.57	32,775
Panaman	2	730	787	1,310	736	912.50	1,283
Peruvian	3	4,577	7,985	11,209	5,934	5,721.25	3,529
Spanish	3	9,794	12,347	16,559	9,798	9,904.96	335
Swedish	7	16,371	23,470	36,190	19,749	18,714.36	16,464
United States	125	515,546	647,076	836,968	515,833	547,345.64	377,395
Yugo-slav	1	3,602	4,379	5,589	3,591	4,502.50	5,500
Totals, March, 1927	270	1,005,773	1,283,218	1,632,344	1,007,192	1,097,072.80	791,570
Totals, March, 1926	271	988,710	1,260,346	1,612,658	990,175	1,094,799.43	837,806
Totals, March, 1925	206	806,511	1,009,106	1,289,938	804,324	892,484.87	643,594

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered. Gross.	Registered. Net.		
Belgian	2	10,421	11,154	14,758	10,150	$12,811.90	18,556
British	[1] 59	242,443	308,048	397,717	246,166	308,043.75	400,563
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	5,114
Colombian	2	1,363	1,669	2,288	1,417	1,703.75	1,362
Danish	1	5,458	6,927	8,681	5,525	6,822.50	12,252
Danzig	1	5,202	5,928	8,744	5,026	6,502.50	11,103
Dutch	5	24,117	30,958	39,208	23,932	30,146.25	46,452
French	5	15,968	21,357	26,126	16,247	19,960.00	36,218
German	11	39,726	39,774	50,330	30,766	38,407.50	57,714
Italian	3	10,936	12,072	15,821	11,441	13,538.90	21,402
Japanese	7	28,689	32,181	49,995	28,018	35,667.20	50,368
Norwegian	6	19,930	26,778	32,356	19,610	24,912.50	47,466
Panaman	1	113	124	207	109	141.25	234
Peruvian	3	3,987	6,893	10,077	5,110	4,964.80	6,079
Spanish	2	6,511	8,391	11,407	7,123	8,638.75	9,624
Swedish	5	10,695	15,713	27,171	13,168	13,368.75	36,228
United States	111	469,636	593,573	759,684	468,031	586,386.35	972,720
Yugo-slav	1	3,547	4,536	5,635	3,537	4,433.75	8,500
Totals, March, 1927	226	893,654	1,130,781	1,448,585	899,352	1,120,840.40	1,741,955
Totals, March, 1926	235	891,568	1,138,348	1,427,433	896,542	1,111,412.77	1,769,240
Totals, March, 1925	192	761,070	955,000	1,224,965	767,607	947,618.27	1,460,730

[1] Includes 2 naval vessels of 9,980 tons displacement.

COMBINED TRAFFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
Belgian	3	14,563	15,946	21,269	14,322	$16,262.14	18,556
British	[1] 130	497,874	647,085	811,518	503,486	600,050.59	641,156
Chilean	3	7,250	9,637	15,244	8,219	8,933.00	7,485
Colombian	4	2,611	3,235	4,440	2,717	3,245.70	3,147
Danish	3	13,297	17,173	20,048	13,437	16,621.25	21,150
Danzig	2	10,409	11,855	17,488	10,052	10,769.94	11,103
Dutch	11	48,899	63,329	77,238	47,437	59,543.25	62,711
Finnish	1	1,837	1,833	2,019	1,743	1,377.75	.....
French	9	30,805	40,460	50,027	30,584	37,121.15	45,053
German	19	50,916	67,640	82,131	49,909	62,016.79	84,118
Italian	6	24,537	27,227	35,303	23,320	30,265.75	25,331
Japanese	17	70,223	80,833	102,277	69,419	82,870.96	95,583
Norwegian	24	80,697	102,472	128,901	79,180	83,800.07	80,241
Panaman	3	843	911	1,517	845	1,053.75	1,517
Peruvian	6	8,564	14,878	21,286	11,044	10,686.05	9,608
Spanish	5	16,705	20,738	27,966	16,921	18,543.71	9,959
Swedish	12	27,066	39,183	63,361	32,917	32,083.11	52,692
United States	236	985,182	1,240,649	1,587,672	983,864	1,133,731.99	1,350,115
Yugoslav	2	7,149	8,915	11,224	7,128	8,936.25	14,000
Totals, March, 1927	496	1,899,427	2,413,999	3,080,929	1,906,544	2,217,913.20	2,533,525
Totals, March, 1926	506	1,880,278	2,398,694	3,040,091	1,886,717	2,206,212.20	2,607,046
Totals, March, 1925	398	1,567,581	1,964,106	2,514,903	1,571,931	1,840,103.14	2,104,324

[1] Includes 2 naval vessels of 9,980 tons displacement.

Insurance Business in the Canal Zone.

Nine insurance companies, eight American and one Canadian, transacted business in the Canal Zone during the calendar year 1926. No additional companies were licensed during the year and no applications were received from companies that desired to transact business in the Canal Zone. A summary of the business follows:

MISCELLANEOUS COMPANIES.

	Premiums received in 1926.	Losses paid in 1926.
Accident	$5,652.81	$1,336.78
Auto liability	1,237.70	27.00
Fidelity	617.36	.....
Fire	2,880.48	238.50
Health	420.90	160.71
Liability other than automobile	3,323.67	1,894.16
Vehicle	646.60	6.70
Plate glass	[1] 80.46	.....
Surety	3,275.66	.....
Totals	17,974.72	3,663.85

[1] Represents credit.

LIFE INSURANCE COMPANIES.

	Number.	Amount.
Policies in force December 31, 1925	664	$1,573,503.00
Policies issued during 1926	48	163,256.00
Totals	712	1,736,759.00
Policies ceased to be in force during 1926	55	152,111.00
Policies in force December 31, 1926	657	1,584,648.00
Losses and claims unpaid December 31, 1925	.....	.....
Losses and claims incurred during 1926	11	25,500.00
Losses and claims settled during 1926	11	25,500.00
Premiums collected during 1926	.....	72,448.63

The relatively small amount of fire insurance business written is due to the fact that there are few structures in the Canal Zone outside of those owned by the Government of the United States and none of such Government property is covered by fire insurance.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending April 9, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Ancon	Panama Railroad S. S. Line		April 3		3,078
Lochmonar	Pacific Steam Navigation Co		April 3		193
Cardiganshire	Pacific Steam Navigation Co		April 3		160½
Brielle	Royal Netherlands W. I. Mail		April 3		161
Illinois	French Line		April 3		19
Parismina	United Fruit Co	April 3	April 3	380	54
Garfield	N. O. & S. A. S. S. Line	April 3	April 3	(1)	109
Jacksonville	Grace Line	April 3	April 4	520½	6
Ammon	Hamburg-American Line	April 3	April 4	314	145
Cali	Roland Line	April 3	April 5	916	(2)
Wanderer	T. & J. Harrison	April 3	April 5	458	(2)
Hudson	French Line	April 3	April 8	101	625
Essequibo	Pacific Steam Navigation Co	April 4	April 5	2	154
La Marseilles	French Line	April 4	April 5	74	497
Dos Hermanos	Isthmian Land & Fruit Co	April 4	April 5	5½	(2)
Pastores	United Fruit Co	April 4	April 6	283	18
Parismina	United Fruit Co	April 5	April 5	3	349
Colombia	Panama Mail S. S. Co	April 5	Arpil 6	450	112
Has Leonhardt	Colombian Transport Co	April 5	April 5	888	(2)
Tatsuno Maru	Nippon Yusen Kaisha	April 5	April 5	155	(2)
Van Renselaer	Royal Netherlands W. I. Mail	April 5	April 6	151	(2)
Tosto	Linea Mercante de Colombia	April 5	April 8	17	(2)
Orita	Pacific Steam Navigation Co	April 6	April 7	67	3
Coppename	United Fruit Co	April 6	April 7	549	52
Cauca	National Navigation Co		April 7		296
Atenas	United Fruit Co	April 6	April 7	647	125
Sixaola	United Fruit Co	April 6	April 7	356	196
Perou	French Line	April 6	April 8	269	258
Tivives	United Fruit Co	April 7	April 7	3	195
Granada	Standard Fruit S. S. Co	April 7	April 7	93	8
San Bruno	United Fruit Co	April 7	April 8	38	42
Santa Maria	Union Oil Co	April 7	April 9	12,000	(2)
Mineola	N. O. & S. A. S. S. Line	April 7	April 9	49	888
Jamaica	Pacific Steam Navigation Co	April 7		874	
Erfurt	Roland Line	April 8	April 9	335	276
Napoli	Italian Line	April 9		315	
Teutonia	Hamburg-American Line	April 9	April 9	3	575½
Granada	Standard Fruit S. S. Co	April 9	April 9	2	594
Van Renselaer	Royal Netherlands W. I. Mail	April 9		1	
Macabi	United Fruit Co	April 9	April 9	220	579
Acajutala	Pacific Steam Navigation Co		April 9		1,116

[1] No cargo discharged. [2] No cargo laded.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending April 9, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Havre Maru	Osaka Shosen Kaisha	April 3	April 4	94	
Tatsuno Maru	Nippon Yusen Kaisha	April 4	April 4	140	
Colombia	Panama Mail S. S. Co	April 6	April 7	36	15
Acajutla	Pacific Steam Navigation Co	April 9	April 9	1	23

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large covered piers for the storage of cargo. These are modern structures, fireproof, ratproof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

Subscription rates, domestic, $0.50 per year; foreign, $1.00; address The Panama Canal Record, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., April 20, 1927. No. 37.

Record Month at Panama Canal Oil Handling Plants.

The business transacted at the oil handling plants of The Panama Canal, situated at Balboa and Mount Hope (Cristobal), during the month of March, 1927, exceeded that of any former month in the history of the oil plants, not only as to the total handled by the two plants, but as to the individual operations of each plant as well. Figures covering the volume handled in units of oil barrels of 42 gallons each are as follows:

	Balboa.	Mount Hope.	Total.
Fuel and Diesel Oil.	*Barrels.*	*Barrels.*	*Barrels.*
Individuals and companies—Receipts	443,804.85	470,261.40	914,066.25
Individuals and companies—Issues	368,866.40	504,468.29	873,334.69
Panama Canal—Receipts	0.00	0.00	0.00
Panama Canal—Issues	23,581.71	9,299.64	32,881.35
Total	836,252.96	984,029.33	1,820,282.29
Gasoline.			
Total handled for Panama Canal and individuals and companies	28,942.83	6,173.10	35,115.93
Kerosene.			
Total handled for Panama Canal	811,67	376.02	1,187.69
Grand total	866,007.46	990,578.45	1,856,585.91

The largest month's business previous to March, 1927, was in February, 1927, when the oil plants handled a combined total of 1,586,015.20 barrels of fuel oil, Diesel oil, kerosene, and gasoline. The largest previous month's business for the Balboa plant was in August, 1923, when it handled 848,501.99 barrels, and the largest month for the Mount Hope plant was in March, 1926, when it handled 865,383.78 barrels. The total number of ships discharging cargo and receiving bunker oil at Balboa during March, 1927, was 138; while at Mount Hope the total number receiving and discharging was 152, making a total of 290.

Canal Traffic During First Fifteen Days of April.

During the first 15 days of April, 1927, 238 commercial vessels and 9 small nonseagoing launches transited the Canal. Tolls on the commercial vessels aggregated $1,050,307.66, and on the launches, $68.27, or a total tolls collection of $1,050,375.93.

The daily average of transits of commercial vessels was 15.86, and the daily average tolls collection, $70,020.51. The average amount of tolls paid by each of the commercial transits was $4,413.06, as compared with $4,514.72 for the first 15 days of March.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 9½ months of the current fiscal year ending June 30, 1927, with the daily averages of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
July	456	$1,980,719.67	14.71	$63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
January, 1927	443	1,984,760.71	14.29	64,024.54
February	449	1,994,860.82	16.03	71,245.03
March	496	2,217,913.20	16.00	71,545.59
April (first 15 days)	238	1,050,307.66	15.86	70,020.51
Totals	4,323	19,177,482.15	14.95	66,358.07

United States Intercoastal Traffic by Commodities for March, 1927.

The following table shows the cargo carried through the Canal in the United States intercoastal trade, segregated by commodities and by direction, with the totals for March, 1927, and the totals for March, 1926, and 1925. Cargo statistics are compiled from cargo declarations submitted by masters of vessels, and in these declarations small items are frequently grouped under the designation of "General Cargo." These statistics are accordingly not precise but they are indicative of the kind and quantity of the cargo in transit through the Canal. The figures represent tons of 2,240 pounds, and are for the United States intercoastal trade only:

Commodity.	Atlantic to Pacific.	Pacific to At'antic.	Totals.
Agricultural implements	2,135	.....	2,135
Ammunition	170	...	170
Asphalt	150	.....	150
Automobiles	100	17	117
Automobile accessories	2,610	137	2,747
Beans	61	4,033	4,094
Borax	...	1,430	1,430
Bricks	88	.....	88
Canned goods:			
Fish	144	9,345	9,489
Fruit	400	24,013	24,413
Meat	268	111	379
Milk	.....	1,114	1,114
Soup	1,440	.....	1,440
Vegetables	1,211	6,110	7,321
Other	.....	2,883	2,883
Carbon black	69	.....	69
Cement	107	218	325
Charcoal	...	149	149
Chemicals	1,983	.....	1,983
China and fire clay	350	.....	350
Coal	2,837	.....	2,837
Coke	898	.....	898
Cold storage:			
Butter	...	53	53
Lard	826	.....	826
Other	...	137	137
Confectionery	162	...	162
Cotton	...	3,998	3,998
Cyanide	150	...	150
Drugs	610	...	610
Explosives	...	128	128
Flour	...	6,005	6,005
Fruit, dried	...	8,421	8,421
Fuller's earth	1,120	...	1,120
Furniture	875	...	875
General	80,573	25,630	106,203
Glass	1,538	200	1,738
Hardwoods	231	...	231
Hay	...	2,696	2,696
Hemp	.....	524	524
Horns and hoofs	.....	20	20
Linoleum	150	229	379
Lumber	593	193,626	194,219
Marble	120	.....	120

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Manufactured goods:			
Iron and steel	125,014	363	125,377
Machinery	5,353	443	5,796
Railroad material	300	.....	300
Textiles	3,836	770	4,606
Other	3,422	.....	3,422
Metals:			
Copper	.....	6,734	6,734
Lead	.....	1,729	1,729
Scrap	1,005	1,214	2,219
Tin	14,199	.....	14,199
Zinc	.....	300	300
Other	184	.....	184
Oils:			
Cottonseed	295	.....	295
Crude	.....	136,855	136,855
Gas and fuel	.....	81,038	81,038
Gasoline, benzine, and naphtha	.....	118,396	118,396
Linseed	750	.....	750
Lubricating and greases	3,314	.....	3,314
Vegetable	.....	430	430
Ores:			
Antimony	.....	200	200
Copper	.....	379	379
Magnesite	.....	1,800	1,800
Paint	63	.....	63
Paper	2,604	1,957	4,561
Peanuts	.....	260	260
Phosphates	1,102	.....	1,102
Rice	86	.....	86
Rosin	439	.....	439
Rubber, manufactured	2,573	110	2,683
Seeds:			
Hemp	.....	101	101
Other	.....	484	484
Shells, oyster	3,066	.....	3,066
Skins and hides	.....	2,251	2,251
Soap	913	.....	913
Soda	108	.....	108
Soda, ash	100	.....	100
Soda, caustic	389	.....	389
Sugar	574	3,163	3,737
Sulphur	8,700	.....	8,700
Syrup	87	.....	87
Talc	.....	40	40
Tobacco	730	.....	730
Wheat	.....	609	609
Wool	.....	1,212	1,212
Zinc oxide	261	.....	261
Totals, March, 1927	281,436	652,065	933,501
Totals, March, 1926	278,351	738,172	1,016,523
Totals, March, 1925	254,747	650,071	904,818

Supplement No. 16.—Tariff No. 8.

THE PANAMA CANAL, PANAMA RAILROAD COMPANY,
EXECUTIVE OFFICE, BALBOA HEIGHTS, C. Z., April 13, 1927.

ITEM 5.—TUGS, SUPPLY BOATS AND LAUNCHES.
SMALL TUGS.
(Effective April 1, 1927.)

5. Substitute the following:

COCO SOLO II:

PER HOUR:

First hour or fraction thereof $15.00
Each succeeding quarter hour or fraction thereof 3.75

PER DAY:

First day (of 24 hours) or fraction thereof 150.00
Time in excess of any 24-hour period to be charged for at the rate of $15.00 per hour but not to exceed $150.00 for such excess over a 24-hour period.

M. L. WALKER,
Governor, The Panama Canal,
President, Panama Railroad Company.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, April 16, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons	Gross	Net.
Atlanta City	10	3 05	10	6 25	10	13 16	10	17 55	American	Norton, Lilly & Co	425 0	56 0	25 0	Philadelphia, Pa.	Manila, P. I.	(5)	8,111½	7,611	5,450
Mataroa	10	7 48	10	8 30	10	15 27	11	11 31	British	Shaw, Savill & Albion.	500.0	63.0	30.8	London, England	Auckland, N. Z.	General	6,25[illegible]	13,590	9,233
British Monarch	10	7 58	10	8 45	10	16 45	10	17 55	British	Canadian Transp. Co	420 0	54 0	25 0	Hull, England	Yokohama, Japan	General	7,870	6,716	4,872
Ypres Maru	9	22 35	10	9 20	10	17.09	10	21 10	Japanese	Suzuki & Co	425.0	53 8	29 0	Tampa, Fla.	Niihama, Japan	Phosphate, cotton	8,111	7,164	5,430
Emma H. Coppage [1]	10	9 55	10	10 10	10	18.15	10	19 18	American	California Pet. Co.	437 0	57.0	20.0	Baltimore, Md	Los Angeles, Calif	Ballast		7,218	5,184
Sciota [2]	...	...	10	10 45	...	...	...	...	American	U. S. Navy	149.3	30.0	...	Cristobal, C. Z	Balboa, C. Z	(2)			
U. S. N. [3]	...	...	10	...	10	10 11	...	...	American	U. S. Navy	...	...	...	Cristobal, C. Z.	Gatun, C. Z	Ballast			
Napoli	9	19 50	11	6 15	11	14 33	11	15 25	Italian	Navigazione Generale Italiana.	405 9	51.0	21 6	Genoa, Italy	Valparaiso, Chile	General	93[illegible]	6,740	4,280
O-4 [4]	...	...	11	6 10	11	15 35	11	16 30	American	U. S. Navy	172 4	18 0	...	Cristobal, C. Z	Balboa, C. Z				
O-6 [4]	...	...	11	6 10	11	15 35	11	16 30	American	U. S. Navy	172 4	18 0	...	Cristobal, C. Z	Balboa, C. Z.				
O-7 [4]	...	...	11	6 10	11	15 35	11	16 30	American	U. S. Navy	172 4	18 0	...	Cristobal, C. Z	Balboa, C. Z.				
O-8 [4]	...	...	11	6 10	11	15 35	11	16 30	American	U. S. Navy	172 4	18 0	...	Cristobal, C. Z	Balboa, C. Z				
Borga [5]	10	15 47	11	7 09	11	16 30	12	3 55	Norwegian	Norway-Pacific Line	362 0	51 3	24 0	Oslo, Norway	Vancouver, B. C.	General	5,378	5,242	3,706
O-9 [4]	...	...	11	7 09	11	17 39	11	18 50	American	U. S. Navy	172 4	18 0	...	Cristobal, C. Z	Balboa, C. Z.				
O-10 [4]	...	...	11	7 09	11	17 39	11	18 50	American	U. S. Navy	172 4	18 0	...	Cristobal, C. Z	Balboa, C. Z.				
No. 275 [4]	11	6 00	11	7 25	11	17 30	13	9 23	American	U. S. Navy	310 0	30.0	...	Guantanamo, Cuba	San Diego, Calif.	Ballast			
Canadian Spinner	10	15 55	11	8 25	11	18 02	11	19 25	British	Can. Gov. Mer. Marine	400 0	52 4	16 5	Halifax, N. S.	Vancouver, B. C.	General	1,690	5,871	4,094
No. 393 [4]	11	6 00	11	8 25	11	20 20	13	9 23	American	U. S. Navy	310 0	30 0	...	Guantanamo, Cuba	San Diego, Calif				
No. 262 [6]	11	6 00	11	8 25	11	17 30	13	9 23	American	U. S. Navy	310 0	30 0	...	Guantanamo, Cuba	San Diego, Calif.				
Tustem [7]	10	19 45	11	9 25	11	18 50	11	20 05	American	Atlantic Refining Co	425 0	57 2	23 0	Philadelphia, Pa.	Los Angeles, Calif	Ballast		7,204	4,768
Ontariolite [8] [9]	10	23 25	11	10 20	11	19 44	12	10 40	British	Imperial Oil Co., Ltd.	470.0	63 0	23 0	Halifax, N. S.	Talara, Peru	Ballast		9,191	6,051
Australind	11	7 28	11	11 13	11	21 27	11	22 40	British	Amer. & Austr. S. S. Co	383 0	50 1	24 6	New York, N. Y.	Auckland, N. Z.	General	3,740	5,667	4,143
Cities Service Fuel [5]	11	9 00	11	11 35	11	22 08	11	23 25	American	Cities Service Corp	389 0	54 7	21 0	Philadelphia, Pa.	Los Angeles, Calif	Ballast		6,190	4,381
Cubore [5]	11	10 57	11	12 45	11	23 09	12	4 53	American	Ore S. S. Corp	450 6	57 0	18 0	Baltimore, Md	Cruz Grande, Chile	Ballast		7,556	4,866
Sunewarkeo	11	15 35	12	6 25	12	13 45	12	15 20	American	Transmarine Lines	324 0	46 0	22 6	New York, N. Y.	San Francisco, Cal	General	3,500	3,984	2,628
San Tiburcio [5]	11	17 05	12	6 10	12	14 15	12	15 00	British	Anglo-Mexican Pet. Co.	412 0	54 0	20 0	London, England	Los Angeles, Calif	Ballast		5,997	4,069
Sagadahoc	11	19 28	12	7 15	12	16 09	12	23 04	American	Argonaut S. S. Line.	420 5	54 2	25 10	Baltimore, Md	Tacoma, Wash	(10)	8,912	7,340	5,342
Steelore	12	1 00	12	7 15	12	15 15	12	22 44	American	Ore S. S. Corp.	550 5	72 2	22 0	Baltimore, Md	Cruz Grande, Chile.	Ballast		15,551	4,297
Trenton [7]	11	14 55	12	8 25	12	16 46	15	15 40	American	U. S. Navy	550 0	55 0	29 2	Guantanamo, Cuba	Corinto, Nicaragua	Ballast			
W. H. Libby [8]	12	2 40	12	9 00	12	17 13	12	18 30	American	Standard Oil Co	462 0	60 2	19 8	Providence, R. I.	Los Angeles, Calif	Ballast.		8,461	6,104
Yangtsze	12	6 05	12	9 50	12	18 49	12	22 14	British	Alfred Holt & Co	450 6	53 2	25 4	New York, N. Y.	Shanghai, China.	General	5,312	7,042	5,021
Chr. Knudsen [8]	12	6 30	12	10 05	12	19 46	12	21 05	Norwegian.	Canadian Transp. Co	381 2	54 7	18 0	Houston, Tex	Kobe, Japan	Cotton	4,600	6,083	4,561
Apple Branch	12	9 13	12	10 50	12	20 31	12	21 51	British	J. & W. Paterson.	376 0	51 0	18 2	Liverpool, England	Valparaiso, Chile	General	2,457	5,112	3,511
Santa Eulalia	12	10 22	12	10 55	12	21 58	13	2 12	American	Lebmann S. S. Lines	251 0	43 6	24 0	Baltimore, Md	San Francisco, Cal.	Steel, tinplate	3,219	2,823	1,730

[1] Tanker. [2] Tug. [3] Launch. [4] Submarine. [5] Motor ship. [6] Destroyer. [7] Cruiser. [8] Sulphate, steel, and general. [9] Towing barge No. 2. [10] Steel, tin plate, and general.

Stella	10	13.55	12	12.05	12	21.45	12	23.19	Norwegian	Panama Mail S. S. Co.	195.1	32.9	12.6	Cristobal, C. Z.	Champerico, Guat.	Ballast		985	606
Canadian Britisher	12	22.40	13	6.25	13	13.44	13	15.00	British	Can. Gov. Mer. Marine	400.3	52.2	18.0	Halifax, N. S.	Dunedin, N. Z.	General	2,233	5,906	4,141
Astral [1]	13	00.40	13	7.25	13	15.34	13	16.46	American	Standard Oil Co.	439.5	58.0	27.3	Beaumont, Texas	Shanghai, China	Kerosene	9,799	7,728	6,025
Chiman [5]	11	18.45	13	7.10	13	16.36	14	15.00	Panaman	National Nav. Co.	116.0	21.0	8.0	Cristobal, C. Z.	Balboa, C. Z.	Ballast		211	124
Salinas [2]	11	20.05	13	8.22	13	16.36	13	17.44	American	U. S. Navy	463.0	60.0	22.0	Cristobal, C. Z.	Los Angeles, Calif.	Ballast			
Margaret Dollar	13	3.05	13	9.35	13	18.10	13	20.12	American	Dollar Line	429.0	55.2	25.4	New York, N. Y.	San Francisco, Cal.	General	6,461	7,579	5,527
Fred W. Weller [2]	13	3.35	13	11.00	13	18.46	13	19.55	American	Standard Oil Co.	500.0	68.0	19.0	New York, N. Y.	Talara, Peru	Ballast		10,928	7,710
Harry Luckenbach	13	7.35	13	12.05	13	19.40	13	20.45	American	Luckenbach Line	448.9	60.2	27.6	Boston, Mass.	Seattle, Wash.	General	7,000	9,262	6,853
Dos Hermanos [12]	12	16.10	13		13	19.40	13	21.00	Panaman	Isth. Land & Fruit Co.	35.0	12.0		Cristobal, C. Z.	Panama, R. P.	Ballast		17	13
Ciricito [3]			13		13	8.10			American	Escobal Agri. Co.				Cristobal, C. Z.	Gatun, C. Z.	([12])		8	8
Barge No. 31			13		13	8.10			American	San Blas Dev. Corp.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		11	11
Santa Isabel	13	18.20	14	6.19	14	13.46	14	19.45	American	Isthmian S. S. Lines	251.0	43.6	25.8	Baltimore, Md.	Seattle, Wash.	([13])	3,392	2,823	1,740
Argon [1]	13	20.30	14	6.15	14	12.53	14	17.00	American	Standard Oil Co.	435.6	56.2	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,386	5,183
Missourian [5]	13	22.40	14	6.20	14	13.27	14	14.50	American	Amer.-Hawaiian Line	445.0	59.8	28.0	Boston, Mass.	Tacoma, Wash.	General	7,814	8,567	5,620
El Grillo [1]	14	2.50	14	7.35	14	14.20	14	16.25	British	Imperial Oil Co., Ltd.	440.5	57.5	21.6	Halifax, N. S.	Talara, Peru	Ballast		7,468	5,042
Laurel Branch	14	5.25	14	7.35	14	15.46	14	23.05	British	F. & W. Ritson	360.0	46.0	17.0	London, England	Corral, Chile	General	760	4,182	3,047
Finland	14	7.47	14	8.30	14	15.12	14	23.05	American	Panama-Pacific Line	560.0	60.2	24.0	New York, N. Y.	San Francisco, Cal.	General	3,722	13,559	9,016
Ipswich	14	7.55	14	8.40	14	16.18	14	17.30	American	McCormick S. S. Co.	400.7	54.2	23.0	Baltimore, Md.	Seattle, Wash.	General	6,230	6,616	4,614
Amerikaland [5]	14	8.05	14	9.45	14	16.52	14	23.50	Swedish	Ore S. S. Corp.	561.0	72.2	21.0	Baltimore, Md.	Cruz Grande, Chile	Ballast		15,560	4,496
Kermit	14	11.15	14	11.25	14	17.58	14	22.35	American	United American Line	471.0	59.0	26.6	Hamburg, Germany	Seattle, Wash.	General	9,432	9,032	6,655
Canadian Transporter	14	11.35	14	12.00	14	18.55	15	1.28	British	Can. Gov. Mer. Marine	400.0	52.4	13.0	Glasgow, England	Vancouver, B. C.	General	682	6,228	4,491
Hans Leonhardt [5]	13	7.30	14	13.30	14	20.42	14	21.58	German	Leonhardt & Blumberg.	230.8	36.0	12.3	Old Providence, Col.	Talara, Peru	Ballast		1,568	909
Motor boat			14		14	9.50			American	U. S. Navy				Cristobal, C. Z.	Gatun, C. Z.	Towing barge			
Motor boat			14		14	9.50			American	U. S. Navy				Cristobal, C. Z.	Gatun, C. Z.	([14])			
Arawa	14	14.10	15	6.10	15	13.53	15	21.20	British	Shaw, Savill & Albion.	459.5	60.5	30.6	London, England	Auckland, N. Z.	General	6,428	10,035	7,504
George Allen	15	7.05	15	7.25	15	14.09	15	15.20	American	Garland S. S. Co.	385.3	51.2	15.0	Philadelphia, Pa.	Aberdeen, Wash.	Ballast		6,224	4,465
Marie Brakke	15	7.47	15	8.45	15	15.57	15	19.36	Norwegian	Knut Knutsen	375.6	52.5	24.10	Rotterdam, Holland	Seattle, Wash.	Ore and coke	7,555	6,077	4,586
Ardgarvel	15	5.05	15	8.30	15	16.18	15	20.45	British	J. H. Welshford & Co.	200.0	30.0	13.6	Greenock, England	Vancouver, B. C.	Ballast		905	526
Matra	15	3.15	15	9.10	15	15.32	14	16.40	British	Com'lth & Dom. Line	470.0	62.0	21.6	New York, N. Y.	Fremantle, Aust'lia	General	4,295	8,801	5,910
City of Panama [5]	1	21.35	15	10.25	15	17.13	15	18.15	Panaman	Panama Mail S. S. Co.	296.9	45.0	18.3	Cristobal, C. Z.	San Francisco, Cal.	General	1,480	3,848	2,603
Aconcagua	15	5.15	15	10.40	15	17.36	15	18.35	Chilean	Chilean Line	422.8	56.2	24.8	New York, N. Y.	Valparaiso, Chile	General	1,802	7,758	4,705
Scania [5]	12	16.15	15	11.50	15	19.35	15	23.28	Swedish	Colombian Transp. Co.	180.7	29.0	12.0	Cristobal, C. Z.	Tumaco, Colombia	General	800	720	421
Rio Dorado	15	9.32	15	12.10	15	18.48	15	20.00	British	Texas Gulf Sulphur Co.	390.0	53.3	25.3	Galveston, Texas	Melbourne, Aus'lia	Sulphur	7,342	6,189	4,509
Oleander [1]	15	13.07	15	13.20	15	20.30	16	8.18	British	British Government	430.2	57.1	25.0	Middlesboro, Eng.	San Diego, Calif.	Creosote	8,550	7,426	5,095
Rambler IV [3]			15		15				American	Major Burnett				Cristobal, C. Z.	Balboa, C. Z.	Unknown		1	1
Jane Christensen	15	17.15	16	6.15	16	14.06	16	15.10	American	Arrow Line	409.5	54.2	19.5	Baltimore, Md.	Seattle, Wash.	General	5,478	6,615	4,966
Pakipaki	15	22.25	16	6.30	16	15.02	16	16.20	British	Norton, Lilly & Co.	472.0	60.0	24.6	New York, N. Y.	Brisbane, Australia	General, oil	6,071	9,150	6,886
Suwordenco	15	22.55	16	7.10	16	15.45	16	17.00	American	Transmarine Lines	324.0	46.2	20.6	Mobile, Ala.	Tacoma, Wash.	General	4,000	3,984	2,612
D. G. Scofield [1]	16	2.40	16	7.40	16	16.36	16	20.39	American	Standard Oil Co.	439.5	58.0	20.0	Norfolk, Va.	Los Angeles, Calif.	Ballast		8,698	5,935
Maine	16	5.05	16	8.30	16	17.23	16	18.59	American	Seas Shipping Co.	402.0	54.2	27.0	Portland, Me.	Vancouver, B. C.	General	8,330	6,936	4,998
Santa Cecelia	15	17.50	16	10.00	16	17.23	17	2.29	American	Grace Line	408.0	55.0	21.5	New York, N. Y.	Callao, Peru	General	4,530	6,639	4,748
Papanui	16	10.40	16	10.55	16	18.20	16	19.45	British	Federal Steam Nav. Co.	470.0	58.6	23.0	New York, N. Y.	Bunbury, Australia	Ballast	5,985	8,772	6,457
Iserlohn	14	6.50	16	12.00	16	20.16	18	00.32	German	Hamburg-AmericanLine	338.0	57.0	27.4	Hamburg, Germany	Buenaventura, Col.	Cement, general	3,271	4,395	2,731
Point Bonita	16	8.30	16	12.25	16	20.25	16	21.45	American	Swayne & Hoyt	324.0	46.2	24.10	Houston, Texas	Seattle, Wash.	General	4,380	3,984	2,617

[1] Tanker. [2] Motor schooner. [3] Towing barge *No. 31*. [5] Steel pipes and tin plate. [14] Towing rowboat and cutter.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Stella	9	18 05	10	6 15	10	13 55	12	12 05	Norwegian	Panama Mail S. S. Co.	195 1	32.9	16.0	Acajut'a, Salvador	Cristobal, C. Z	Coffee, balsam	1,195	985	606
Standard [1]	10	6 56	10	7 52	10	15 40	10	15 40	American	Standard Oil Co. of N.J.	523 88	68 68	30 0	Los Angeles, Calif	New York, N. Y.	Crude oil	17,000	12,171	8,782
Georgic	10	3 00	10	8 35	10	17 30	12	16 37	French	French Line	410.1	52 5	25 0	Vancouver, B. C.	Antwerp, Belgium	Wheat, wood	7,698	6,830	4,932
Eastern Planet	10	7 35	10	9 29	10	17 55	10	22 20	American	Roosevelt S. S. Co., S.B.	384 8	51.2	14 0	Adelaide, Australia	New York, N. Y.	Wool, general	700	6,235	4,480
Redland	9	21 39	10	14 00	10	21 29	10	21 29	American	Munson S. S. Line	335 6	46 0	21 5	Seattle, Wash	Philadelphia, Pa.	Lumber	3,633	3,965	2,573
Solana	10	18 3	11	6 19	11	16 05	11	16 05	American	Associated Oil Co	419 5	56 5	27 0	San Francisco, Cal.	Bayonne, N. J.	Gasoline	10,000	7,060	5,025
Watertown [1]	10	23 15	11	6 39	11	14 35	11	16 35	American	Cities Service Trans. Co.	416 9	56.2	27 0	San Francisco, Cal.	New York, N. Y.	Gasoline	9,000	6,717	4,778
William H. Doheny [1]	11	2 00	11	7 29	11	17 10	11	17 10	American	Pan.-Amer. Pet. & Tr. Co.	435 0	56 2	26 4	Los Angeles, Calif	Baltimore, Md	Gasoline	9,149	7,406	5,111
Santa Teresa	11	6 45	11	8 05	11	15 00	11	18 00	American	Grace Line	360 2	51 6	25 3	Talcahuano, Chile	New York, N. Y.	General	4,153	5,726	4,086
Anatolia	10	22 00	11	8 10	11	18 14	14	10 50	German	Roland Line	315 73	46 08	17 3	Champerico, Guat	Hamburg, Germany	Coffee, sugar	1,581	3,509	2,463
Sarualco	10	14 48	11	8 13	11	17 50	11	21 25	American	Transmarine Lines	324 0	46 0	23 5	San Francisco, Cal.	New York, N. Y.	Lumber	4,150	3,984	2,628
Walcheren	10	19 45	11	8 39	11	18 45	11	20 35	Dutch	Rotterdamsche Lloyd	359.0	51.0	21 6	Tocopilla, Chile	Hampton Roads [18]	Nitrates	5,588	4,450	3,268
Chiman [19]	11	00 10	11	8 54	11	18 45	13	7 10	Panaman	National Nav. Co.	116 0	21 1	9 11	Buenaventura, Col.	Cristobal, C. Z	([19])	236	211	124
Montrolite [1]	11	6 00	11	9 04	11	19 15	11	19 15	British	Imperial Oil Co., Ltd	510 9	68 2	30 6	Los Angeles, Calif	Halifax, N. S.	Calif. crude oil	15,892	11,555	7,678
Salinas [1]	11	6 50	11	9 41	11	20 05	13	8 22	American	U. S. Navy	463.0	60.0	26.0	Los Angeles, Calif	Cristobal, C. Z	Fuel oil	10,124	..	..
Montgomeryshire	11	8 15	11	9 53	11	20 25	14	13 36	British	Royal Mail S. P. Co	412 3	55 85	27.11	Vancouver, B. C.	Antwerp, Belgium	General	7,857½	7,450	5,494
Itauri	11	6 20	11	10 40	11	20 55	12	1 40	German	Hamburg-American Line	438.86	55 63	13.4	Valparaiso, Chile	Pto. Mexico, Mex	Ballast	..	7,004	5,017
Julia Luckenbach	11	9 20	11	11.05	11	21 45	11	21.45	American	Luckenbach Line	436 61	57.25	28.0	Seattle, Wash	New Orleans, La	Lumber, general	8,266	8,543	6,402
Walter Jennings [1]	11	9 30	11	12 11	11	23 05	11	23 05	American	Standard Oil Co. of N.J.	499.2	68 1	31.6	Los Angeles, Calif	New York, N. Y.	Fuel oil	15,143	11,037	7,995
Hawaiian	11	10 00	11	12 56	11	23 59	11	23 59	American	Amer.-Hawaiian Line	404.6	53 9	27.6	Seattle, Wash	Boston, Mass	General	5,987	6,766	4,809
Ramapo [1]	11	12 30	11	14 08	12	1 10	12	1 10	American	U. S. Navy	461.6	60.0	26.0	Los Angeles, Calif	Guantanamo, Cuba	Fuel oil	10,111	..	..
Charles G. Black [1]	12	00 30	12	5 52	12	14 55	12	17 25	American	Standard Oil Co. of N.J.	550.3	72.2	32 6	Los Angeles, Calif	New York, N. Y.	Crude oil	18,180	15,418	10,613
Scania [15]	11	13 39	12	7 11	12	16 15	15	11 50	Swedish	Colombian Transp. Co	180 7	29.0	12 1	Buenaventura, Col.	Cristobal, C. Z	Coffee, hides	746	720	421
El Panquiaco	10	16 00	12	7 19	12	16 00	12	16 00	Panaman	Panaman Government	125.6	23 5	..	Panama Bay, R. P.	Cristobal, C. Z	..	..	..	..
Dos Hermanos [16]	12	7 00	12	7 36	12	16 10	13	00 00	Panaman	Isth. Land & Fruit Co.	49 10	12 0	5 0	San Miguel Bay	Cristobal, C. Z	Bananas	12	17	13
Halo [1]	11	17 55	12	8 08	12	16 40	12	16 40	American	Cities Service Trans. Co.	435 0	56 0	29 3	Los Angeles, Calif	Philadelphia, Pa.	Fuel oil	10,800	7,434	5,145
Simonburn	11	21 45	12	9 13	12	18 30	12	19.40	British	Common Brothers	390.0	53.5	21.5	Vancouver, B. C.	Hull, England	Wheat	8,132	5,625	4,158
Paul Luckenbach	12	9 45	12	10 30	12	18 15	12	18 15	American	Luckenbach Line	471.1	59.2	27 0	Portland, Oreg	Boston, Mass	Lumber, general	8,500	9,027	6,539
Euro	12	10 00	12	11 05	12	19 40	12	22.20	Italian	Societa Ligure Aram'to.	387.5	51.06	25 6	Vancouver, B. C.	New York, N. Y.	([20])	6,450	6,193	4,784
Almagro	12	14 00	12	14 38	12	22 05	15	8 40	British	Pacific Steam Nav. Co	303 4	43.0	15 0	Guayaquil, Ecuador	New York, N. Y.	([21])	1,319	2,878	1,714
Lubrico [1]	12	11 50	13	6 16	13	14 20	13	14 20	American	Standard Oil Co. of Cal.	425.0	57 2	27.0	San Francisco, Cal.	Baltimore, Md	([22])	9,457	7,227	4,827
Murla	12	16.00	13	7 14	13	15.39	14	1.45	German	Roland Line	450.0	58.0	23.6	San Antonio, Chile	Hamburg, Germany	Copper, nitrates	7,532	7,727	5,349
Gen. W. M. Graham [17]	..	..	13	7.18	13	14 00	..	..	American	U. S. Army	160.2	32.1	14.5	Balboa, C. Z	Cristobal, C. Z	..	..	..	..
Orcoma	13	7.50	13	8.13	13	16 30	14	1.00	British	Pacific Steam Nav. Co.	511.6	62.2	28.0	Coronel, Chile	Liverpool, England	General	5,972	12,414	8,302

[1] Tanker. [15] Motor ship. [16] Motor schooner. [17] Mine planter. [18] For orders. [19] Coffee, wax, and platinum. [20] Lumber, flour, oats, and salmon. [21] Cocoa, hides, hats, and rubber. [22] Gasoline and lubricating oil.

Dochet	12	18.00	13	8.52	13	16.55	13	16.55	American	Finkbine, Guild Tr. Co.	386.8	52.2	24.6	San Francisco, Cal.	Gulfport, Miss.	Lumber, general.	6,324	5,705	4,167
Canadolite [1] [25]	12	17.15	13	9.15	13	17.50	13	17.50	British	Imperial Oil Co., Ltd.	510.9	68.25	30.6	Talara, Peru	Montreal, Canada	Crude oil	16,000	11,556	7,658
K. R. Kingsbury [1]	12	23.00	13	9.45	13	18.20	13	18.20	American	Standard Oil Co. of Calif	440.0	58.2	30.6	Los Angeles, Calif.	Baltimore, Md.	Fuel oil	11,000	9,033	5,938
Planet	13	2.00	13	10.14	13	18.45	14	14.55	German	F. Laeisz	450.7	57.2	24.3	Corral, Chile	Antwerp, Belgium	General	8,537	7,460	5,234
Sujerseyco	13	3.00	13	10.49	13	19.25	13	21.10	American	Transmarine Lines	324.0	46.2	24.8	Aberdeen, Wash.	Philadelphia, Pa.	Lumber	4,500	3,984	2,628
Sweden Maru	13	7.50	13	11.15	13	20.35	13	21.25	Japanese	Kawasaki Kisen Kaisha	385.0	51.0	26.3	Portland, Oreg.	United Kingdom	Wheat	7,648½	5,926	4,398
Parmbek	13	6.00	14	6.10	14	14.05	14	16.35	German	Knohr & Burchard	325.60	45.32	19.5	Guaymas, Mexico	Bilboa, Spain	Garbango	3,576	3,279	2,251
Edenton	13	19.20	14	6.53	14	15.25	14	17.05	American	American-Pioneer Line	409.6	54.2	26.0	Bangkok, Siam	New Orleans, La.	General	7,503	7,478	5,906
Texas	13	20.30	14	7.59	14	16.40	16	5.50	French	French Line	409.2	52.6	27.0	Talcahuano, Chile	Havre, France	General	8,336	6,824	4,885
O-10 [23]	14		14	13.39	14	21.40			American	U. S. Navy				High seas	Cristobal, C. Z.				
Chilore	14	18.10	15	6.06	15	15.40	15	15.40	American	Ore S. S. Corp.	549.6	72.25	34.9	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	14.53	9,348
Kekoskee [1]	14	14.15	15	7.07	16	16.50	15	16.50	American	Richfield Oil Co.	391.8	51.3	27.2	Los Angeles, Calif	New York, N. Y.	Fuel oil	6,988	5,55	3,867
Cerro Azul [1]	15	7.30	15	8.35	15	18.05	15	18.05	American	Huasteca Petroleum Co	480.5	66.0	28.6	Los Angeles, Calif	New York, N. Y.	Fuel oil	12,649	9,399	6,453
Amsterdam	15	9.15	15	9.57	15	19.09	15	20.30	Dutch	Royal Neth. W. I. Mail	498.0	66.0	28.0	Valparaiso, Chile	Rotterdam, Holland	General	11,800	11,638	7,660
Teespool	15	12.00	15	12.46	15	21.25	15	22.45	British	Sir R. Ropner & Co.	351.5	53.0	23.0	San Francisco, Cal	Hull, England	Barley	6,250	4,866	3,315
Josette [24]			15	9.43	15				American	W. C. Sprague				Balboa, C. Z.	MiraflioresLakeC.Z.			2	2
Standard Arrow [1]	15	19.40	16	6.13	16	14.15	16	14.15	American	Standard Transp. Co.	467.6	62.7	27.0	Los Angeles, Calif	Boston, Mass.	Gasoline	11,400	9,698	6,783
William Rockefeller [1]	15	22.12	16	6.55	16	5.40	16	15.40	American	Standard Oil Co. of N. J.	554.9	75.3	30.4	Los Angeles, Calif	New York, N. Y.	Crude oil	19,945	14,785	10,313
Meline [1]	15	14.45	16	7.15	16	6.20	16	19.20	Norwegian	Mexican Petroleum Co.	425.0	57.0	26.0	Los Angeles, Calif	Santos, Brazil	Fuel oil	9,120	7,114	5,099
Lochkatrine [25]	15	19.15	16	7.34	16	6.55	17	00.20	British	Royal Mail S. P. Co.	485.4	62.3	29.2	Vancouver, B. C.	Rotterdam, Holland	General	9,672	10,802	7,595
Texan	15	21.10	16	8.17	16	7.05	16	17.05	American	Amer.-Hawaiian Line	471.0	57.2	26.0	Portland, Oreg.	Boston, Mass.	Lumber, general.	7,700	9,154	6,903
Atlantic [15]	16	2.50	16	8.48	16	7.5	16	17.5	Norwegian	Anglo-Saxon Pet. Co.	441.6	67.5	27.0	Los Angeles, Calif	Gibralter [18]	Kerosene	10,024	7,589	5,312
Torvanger	16	4.00	16	9.08	16	18.20	16	18.20	Norwegian	Dupont Nitrate Co.	420.1	54.0	28.0	Iquique, Chile	Quebec, Canada	Nitrate	9,778	6,963	5,051
Arizona	16	8.05	16	9.40	16	19.15	18	13.40	British	French Line	425.0	55.0	25.4	Vancouver, B. C.	Havre, France	General	7,466	7,097	4,936
Castle Town	16	8.30	16	10.02	16	20.00	16	22.40	American	Charles Nelson & Co.	321.7	50.0	22.5	Tacoma, Wash.	Baltimore, Md.	Lumber	4,440	3,872	2,568
Yave Maru	16	9.30	16	10.48	16	20.10	16	22.10	Japanese	Suzuki & Co.	426.0	53.8	21.0	Prince Rupert, B.C.	United Kingdom	Bulk wheat	8,787½	6,798	5,174
Mevania [1]	16	11.10	16	12.00	16	21.00	16	21.00	American	C. D. Mallory & Co.	425.8	57.0	28.3	Los Angeles, Calif	Ponce, P. R.	Fuel oil			
O-4 [23]	16	11.22	16	12.40	16	19.40			American	U. S. Navy				High seas	Cristobal, C. Z.				
Andromede	16	12.15	16	13.12	16	22.30	17	1.30	French	Messageries Maritimes	450.34	56.97	24.4	Noumea, N. Calid	Dunkirk, France	General	5,307	7,984	5,472
Indian City	16	12.50	16	14.09	16	23.35	17	2.30	British	Sir W. R. Smith & Sons	411.7	54.5	27.6	Vancouver, B. C.	United Kingdom	Wheat	9,040	6,512	4,665

[1] Tanker. [23] Submarine. [24] Launch. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date	Vessel.	Line.	From—
April 10	Heredia	United Fruit Co.	New Orleans via Habana.
April 10	Pastores	United Fruit Co.	Port Limon, Costa Rica.
April 11	Willet [25]	Merritt, Chapman & Scott	Key West and wayports.
April 11	Ulua	United Fruit Co.	New York via Habana.
April 11	U. D. Vinton [26]	G. I. Bryan	Colon, R. P.
April 13	Coppename	United Fruit Co.	Bocas del Toro, R. P.
April 13	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
April 13	Suriname	United Fruit Co.	New Orleans, La.
April 13	Carrillo	United Fruit Co.	New York via Kingston.

* DEPARTURES.

Date.	Vessel.	Line.	For—
April 10	Van Renselaer	Royal Netherlands W. I. Mail	Amsterdam and wayports.
April 10	Pastores	United Fruit Co.	New York via Habana.
April 11	No. 237 [27]	U. S. Navy	Nicaragua.
April 11	Heredia	United Fruit Co.	New Orleans via wayports.
April 11	Willet [25]	Merritt, Chapman & Scott	Old Providence, Colombia.
April 11	U. D. Vinton [26]	G. I. Bryan	Bluefelds, Nicaragua.
April 13	Ulua	United Fruit Co.	Port Limon, Costa Rica.
April 13	Rafael Salcedo [28]	Ulen and Co.	Barranquilla, Colombia.
April 13	Coppename	United Fruit Co.	New Orleans, La.

[25] Tug. [26] Schooner. [27] Destroyer. [28] Dredge. * Other than ships passing through the Canal.

(Continued on page 496, column 2.)

Origin and Destination of Cargo Passing Through the Panama Canal, from the Atlantic to the Pacific, March, 1927.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.							Asia.					Australasia.				Grand totals.	Per cent of total cargo.
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America.	West coast of North America.[1]	Balboa.[2]	Hawaii.	Total, North America.	Japan.	China.	Philippines.	Far East.[1]	Total, Asia.	Australia.	New Zealand.	Australasia.[1]	Total, Australasia.		
North America:																								
United States—																								
North Atlantic ports	2,365	1,055	172	646	20,789	25,027	236,199	1,273	720	2,210	99	7,498	247,981	29,081	12,334	4,652	31,847	68,914	12,977	25,533		68,510	410,432	52.0
South Atlantic ports							3,828						3,828	7,317	277		968	8,562					12,390	1.6
Gulf ports	249		30		2,324	2,603	41,418					779	42,197	40,635	19,825	2,666	3,107	66,233					111,032	13.9
Totals, U. S.	2,614	1,055	202	646	23,113	27,630	281,436	1,273	720	2,210	99	8,277	294,006	77,033	33,436	7,318	35,922	143,709	12,977	25,533		68,510	533,855	67.5
Cristobal, C. Z.[2]	202	1,421	210	561	2,205	4,599	1,264	35	4,655				5,954										10,553	1.3
East coast of Canada														56			705	1,265	2,999	2,645	6,500	12,144	13,409	1.7
West Indies					80	80	2,600						2,600	7,393	10,956		9,410	27,759		11,13		11,139	41,569	5.2
E. coast Mex. and C. A																			6,700			6,700	6,700	0.9
Totals, N. America	2,816	2,476	412	1,207	25,398	32,309	285,300	1,308	5,375	2,210	99	8,277	292,560	84,986	34,392	7,318	46,037	172,733	52,676	39,318	6,500	98,484	606,080	76.6
Europe:																								
British Isles	3,511			6,789	6,493	16,823	3,108	6,449		1,097			10,564							27,307	10,673	37,980	65,367	8.3
Belgium	414			216	762	1,392	21,718	12,518		225		1,300	35,761										37,153	4.7
Denmark							30						30										30	
France					150	15	4,481			2,283			6,764										6,944	0.9
Germany				427	1,565	1,992	2,276	222			396	1,980	4,874										6,866	0.9
Holland							1,819	660					2,479										2,479	0.3
Italy	935				1,217	2,152	171						171										2,323	0.3
Norway and Sweden							3,136	38	266				3,440										3,440	0.4
Spain and Portugal					269	269																	269	
Europe	4,852	158	390	2,629	22,396	30,425	9,272	1,100	2,369	3,237		247	16,225										16,650	5.9
Totals, Europe	9,742	158	390	10,061	32,852	53,293	46,011	21,987	2,635	6,752	396	2,527	80,308							27,307	10,673	37,980	171,491	21.7
E. coast of So. America		1,872			26	1,898	11,547	70					11,617	478				478					13,993	1.7
Grand totals	12,558	4,506	802	11,268	58,276	87,410	342,858	22,365	8,010	8,962	486	11,804	394,185	85,461	34,392	7,318	46,037	173,211	52,676	66,615	17,173	136,464	791,570	100.0
Per cent of total cargo:																								
March, 1927	1.6	0.6	0.1	1.4	7.4	11.0	43.3	2.9	1.0	1.2		1.5	49.9	10.8	4.4	0.9	5.8	21.9	6.7	8.4	2.1	17.2	100.0	.....
March, 1926	2.6	0.5	0.1	1.0	10.3	14.5	38.4	2.5	1.4	3.3	0.8	0.5	46.9	7.5	5.4	0.2	7.1	20.2	6.9	9.1	2.4	18.4	100.0	.....
March, 1925	2.7			0.8	9.0	12.5	44.4	1.7	1.6	2.7			59.4	5.4	3.1	0.2	8.0	16.7	12.0	6.7	1.7	20.4	100.0	.....

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, March, 1927.

(Figures represent tons of 2,240 pounds.)

From—	North America.									Europe.															
	United States.																								
	North Atlantic ports.	South Atlantic ports.	Gulf ports.	Total, United States.	East coast of Canada.	West Indies.	East coast Mexico and C. America.	Cristobal, C. Z.[2]	Total, North America.	British Isles.	Belgium.	Denmark.	France.	Germany.	Holland.	Italy.	Norway and Sweden.	Spain and Portugal.	Europe.[1]	Total, Europe.	East coast of South America.	Egypt.	Grand totals.	Per cent of total cargo.
South America:																									
Chile	121,064	31,450	19,875	172,389	.....	16,492	....	.....	188,881	27,283	305	....	1,210	6,426	4,829	....	....	538	61,042	101,624	.....	8,500	299,005	17.2
Colombia	889	.....	.....	889	.....	.....	....	4,616	5,505	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28	....	5,533	0.3
Ecuador	.....	.....	.....	.....	9,575	.....	....	535	10,110	86	.....	.....	.....	.....	.....	.....	.....	.....	459	545	.....	.....	10,655	0.6
Peru	24,410	41,643	.....	66,053	24,600	.....	....	1,964	92,617	1,952	162	....	1,286	.....	.....	.....	.....	.....	4,563	7,963	11,103	.....	111,683	6.4
W. coast So. Am.[1]	1,058	.....	.....	1,058	.....	.....	....	2,331	3,389	5,265	.....	.....	875	550	.....	.....	.....	.....	4,692	11,382	.....	.....	14,771	0.9
Totals, S. Am.	147,421	73,093	19,875	240,389	34,175	16,492	....	9,446	300,502	34,586	467	....	3,371	6,976	4,829		....	538	70,756	121,514	11,131	8,500	441,647	25.4
North America:																									
W. coast Canada	20,733	.....	.....	20,733	.....	377	....	.....	21,110	56,213	.....	.....	3,566	505	9,346	7,100	5,158	...	48,143	130,031	714	.....	151,855	8.7
W. coast C. Am.	724	.....	.....	724	.....	.....	....	7,260	7,984	.....	.....	.....	.....	1,536	.....	.....	1,129	...	7,568	10,233	.....	.....	18,217	1.1
W. coast U. S.	632,038	.....	20,027	652,065	16,200	21,601	73	69,253	759,192	141,458	2,313	2,954	8,550	9,586	7,771	150	2,658	...	53,207	228,647	10,004	.....	997,843	57.2
Totals, N. Am.	653,495	.....	20,027	673,522	16,200	21,978	73	76,513	788,286	197,671	2,313	2,954	12,116	11,627	17,117	7,250	8,945	....	108,918	368,911	10,718	.....	1,167,915	67.0
Asia:																									
Japan	322	.....	.....	322	.....	.....	....	.....	322	657	.....	.....	.....	.....	.....	.....	.....	.....	.....	657	.....	.....	979	.....
Philippines	36,205	.....	.....	36,205	.....	.....	....	.....	36,205	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36,205	2.1
Far East[1]	4,906	.....	.....	4,906	.....	7,000	....	.....	11,906	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11,906	0.7
Totals, Asia	41,433	.....	.....	41,433	.....	7,000	....	.....	48,433	657	.....	.....	.....	.....	.....	.....	.....	.....	.....	657	.....	.....	49,096	2.8
Australasia:																									
Australia	4,729	.....	.....	4,729	297	.....	....	96	5,122	1,297	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,297	.....	.....	6,419	.05
New Zealand	1,857	.....	.....	1,857	340	.....	....	.....	2,197	56,294	.....	.....	.....	.....	.....	.....	.....	.....	.....	56,294	.....	.....	58,491	3.3
Australasia[1]	5,400	.....	.....	5,400	.....	.....	....	.....	5,400	5,693	.....	.....	.....	.....	.....	.....	7,300	.....	.....	12,993	.....	.....	18,393	1.0
Totals, Aust'sia	11,986	.....	.....	11,986	637	.....	....	96	12,719	63,284	.....	.....	.....	.....	.....	.....	7,300	.....	.....	70,584	.....	.....	83,303	4.8
Grand totals	854,335	73,093	39,902	967,330	51,012	45,470	73	86,055	1,149,940	296,198	2,780	2,954	15,487	18,603	21,937	7,250	16,245	538	179,674	561,666	21,849	8,500	1,741,955	100.0
Per cent of total cargo:																									
March 1927	49.1	4.2	2.2	55.5	3.0	2.6	....	4.9	66.0	17.1	0.1	0.1	0.9	1.1	1.3	0.5	0.9	....	10.3	32.3	1.3	0.4	100.0	.....
March, 1926	57.8	4.9	4.4	67.1	1.7	0.6	0.5	2.6	72.4	12.4	1.1	.....	0.9	1.3	0.6	.....	0.1	....	9.5	25.9	1.2	0.5	100.0	.....
March, 1925	58.8	6.8	8.5	74.1	2.0	0.5	1.2	0.9	78.7	12.1	....	.....	0.5	0.9	0.1	0.3	1.1	0.4	4.8	20.2	0.6	0.5	100.0	.....

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending April 16, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Redbird	Redbird S. S. Corp.	April 10	April 10	194	(1)
Coalinga	Union Oil Co.	April 10	April 12	10,883	(1)
Borga	Fred Olsen & Co.	April 11	April 11	397	(1)
Stockton	U. S. Shipping Board.	April 15	April 16	9,430	(1)
City of Panama	Panama Mail S. S. Co.	April 15	April 15	(2)	7
Nora	Grace Line	April 16	April 17	13,435	(1)
Calcutta Maru	Nippon Yusen Kaisha	April 16	April 17	299	(1)
Iserlohn	Hamburg-American Line	April 16	April 16	701	20

[1] No cargo laded. [2] No cargo discharged.

Commercial Traffic Through the Panama Canal in March, 1927, by Trade Routes.

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered gross.	Tonnage. Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	82	348,760	439,688	558,144	348,686	$370,651.28	251,237
East coast of United States to west coast of South America:							
British	6	21,073	26,206	35,942	22,571	20,334.63	5,228
Chilean	1	3,479	4,672	7,310	3,976	4,348.75	2,371
Norwegian	2	6,312	7,194	9,710	5,994	5,179.68	.....
Panaman	1	617	663	1,103	627	771.25	885
Peruvian	1	2,073	2,621	3,287	1,993	2,591.25	2,159
Swedish	1	3,743	4,421	15,339	4,377	3,183.12	.....
United States	16	59,390	71,140	109,837	60,101	55,406.52	18,022
Totals	28	96,687	116,917	182,528	99,639	91,815.20	28,665
Europe to west coast of South America:							
Belgian	1	4,142	4,792	6,511	4,172	3,450.24	.....
British	7	27,534	34,239	45,577	27,854	34,417.50	19,832
Chilean	1	259	260	624	267	194.25	.....
Dutch	3	8,743	12,148	12,536	7,453	9,348.25	7,990
Finnish	1	1,837	1,833	2,019	1,743	1,377.75	.....
French	1	4,196	5,020	6,798	4,268	5,245.00	1,102
German	3	10,245	14,467	16,796	10,323	12,806.25	17,791
Italian	2	8,291	9,239	12,425	7,424	10,089.35	2,740
Japanese	2	9,399	9,844	12,607	9,284	7,201.26	.....
Norwegian	2	6,451	8,118	10,399	6,444	5,844.96	.....
Spanish	3	9,794	12,347	16,559	9,798	9,904.96	335
Yugoslav	1	3,602	4,379	5,589	3,591	4,502.50	5,500
Totals	27	94,493	116,686	148,500	92,626	104,382.27	55,290
East coast of United States to Far East:							
British	9	30,008	44,242	48,774	30,141	37,510.00	44,325
Danish	1	2,651	4,583	4,454	2,694	3,313.75	4,710
Japanese	6	24,538	28,658	36,873	24,347	30,506.25	35,540
Norwegian	3	9,133	12,160	14,247	8,671	11,416.25	11,500
Swedish	1	3,197	4,078	5,024	3,831	3,996.25	4,659
United States	3	15,307	17,033	21,509	15,188	18,900.70	21,140
Totals	23	84,834	110,754	130,881	84,872	105,643.20	121,874
Europe to west coast of Canada:							
British	12	40,919	51,816	65,899	40,987	43,579.14	25,499
Danish	1	5,188	5,663	6,913	5,218	6,485.00	4,188
Dutch	3	16,039	20,223	25,434	16,047	20,048.75	8,269
French	2	7,317	10,288	12,293	7,373	9,183.75	7,733
German	1	2,624	4,027	4,454	2,618	3,280.00	6,766
Italian	1	5,310	5,916	7,057	4,455	6,637.50	1,189
Norwegian	1	4,509	5,637	7,116	4,493	5,636.25	7,302
Swedish	1	2,781	4,860	4,960	3,665	3,476.25	4,462
United States	1	2,839	4,161	4,711	2,814	3,548.75	7,063
Totals	23	87,556	112,591	138,837	87,670	101,875.39	72,471

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
East coast of United States to Australasia:							
British	10	40,882	56,703	63,239	40,116	$50,868.10	50,852
Norwegian	1	2,500	4,343	4,319	2,441	3,125.00	6,901
United States	3	10,591	15,007	17,044	10,570	13,238.75	10,757
Totals	14	53,973	76,053	84,602	53,127	67,231.85	68,510
Europe to west of coast United States:							
British	5	17,544	22,200	28,632	17,744	15,984.00	.....
Danzig	1	5,207	5,927	8,744	5,026	4,267.44	.....
French	1	3,294	3,795	4,810	2,696	2,732.40	.....
Norwegian	5	20,156	23,346	31,978	19,907	16,809.12	.....
United States	1	6,052	7,895	9,838	6,019	5,684.40	.....
Totals	13	52,253	63,163	84,002	51,392	45,477.36	.....
Cristobal, C.Z., to west coast of South America:							
Colombian	1	49	60	97	49	43.20	.....
German	2	1,307	1,607	2,337	1,297	1,157.04	.....
Panaman	1	113	124	207	109	141.25	398
Peruvian	1	1,515	2,959	4,617	2,427	1,893.75	613
Swedish	2	688	842	1,316	872	606.24	.....
Totals	7	3,672	5,592	8,574	4,754	3,841.48	1,011
East coast of United States to west coast of Canada:							
British	1	2,907	4,180	4,575	2,826	3,009.60	.....
United States	4	16,916	22,033	27,031	16,929	21,145.00	32,634
Totals	5	19,823	26,213	31,606	19,755	24,154.60	32,634
Cristobal, C. Z., to west coast of United States:							
United States	5	23,695	27,795	36,323	23,592	20,438.01	1,460
Cristobal, C. Z., to west coast of Central America:							
British	4	2,324	2,869	4,380	2,388	2,883.90	2,612
Norwegian	1	485	606	855	482	606.25	583
Totals	5	2,809	3,475	5,235	2,870	3,490.15	3,195
Europe to Australasia:							
British	5	27,208	38,839	43,416	27,374	34,010.00	37,980
West Indies to Far East:							
British	2	6,825	8,909	10,955	6,837	8,531.25	14,106
Japanese	1	3,427	4,329	5,435	3,383	4,283.75	7,393
United States	2	2,906	3,269	4,568	2,862	3,632.50	6,260
Totals	5	13,158	16,507	20,958	13,082	16,447.50	27,759
Foreign vessels in ballast—United States intercoastal:							
British	1	3,019	3,315	4,577	2,938	2,386.80	.....
Norwegian	2	8,879	10,198	14,051	8,811	7,342.56	.....
Swedish	1	2,532	3,736	3,997	2,779	3,165.00	.....
Totals	4	14,430	17,249	22,625	14,528	12,894.36	.....
East coast of Canada to Australasia:							
British	3	9,673	12,438	15,982	9,708	12,091.25	12,144
Around the world:							
United States	2	12,433	16,966	21,118	12,400	15,541.25	7,135
East coast of South America to west coast of South America:							
Colombian	1	1,199	1,506	2,055	1,251	1,498.75	1,785
Peruvian	1	989	2,405	3,305	1,514	1,236.25	757
Totals	2	2,188	3,911	5,360	2,765	2,735.00	2,542
East coast of United States to Philippine Islands:							
United States	2	7,584	10,710	12,349	7,594	9,480.00	14,600

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
West Indies to Australasia:							
British	2	4,970	6,197	7,561	4,732	$6,212.50	11,130
Europe to west coast of Central America:							
German	2	6,014	7,765	8,244	4,905	6,366.00	1,847
West Indies to west coast of United States:							
United States	2	1,219	1,463	2,040	1,219	1,476.75	2,600
Europe to Hawaiian Islands:							
Swedish	1	3,430	5,533	5,554	4,225	4,287.50	7,343
East coast of Mexico to Australasia:							
British	1	2,920	4,702	4,714	2,988	3,650.00	6,700
East coast of South America to Far East:							
Japanese	1	4,170	5,821	7,267	4,387	5,212.50	2,282
East coast of Canada to Far East:							
British	1	4,397	6,846	6,960	4,426	5,496.25	10,185
East coast of South America to west coast of United States:							
Norwegian	1	2,342	4,092	3,870	2,327	2,927.50	6,489
East coast of Canada to west coast of United States:							
British	1	6,630	7,678	11,309	6,845	5,528.16	....
East coast of Central America to west coast of United States:							
United States	1	4,149	4,959	6,653	4,154	3,570.48	....
East coast of South America to west coast of Canada:							
United States	1	3,705	4,957	5,823	3,705	4,631.25	4,487
East coast of Canada to west coast of South America:							
British	1	6,598	7,658	11,309	6,845	5,513.76	.....
Totals, March, 1927	270	1,005,773	1,283,218	1,632,344	1,007,192	1,097,072.80	791,570
Totals, March, 1926	271	988,710	1,260,346	1,612,658	990,175	1,094,799.43	837,806
Totals, March, 1925	206	806,511	1,009,106	1,289,938	804,324	892,484.87	643,594

PACIFIC TO ATLANTIC.

United States intercoastal:							
United States	73	313,848	401,114	505,134	312,839	$392,310.00	640,543
West coast of South America to east coast of United States:							
Belgian	1	4,142	4,792	6,511	4,172	5,177.50	8,140
British	8	30,326	37,630	50,923	31,982	37,907.50	61,515
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	5,114
Italian	1	2,886	2,897	3,076	2,935	3,476.40	4,900
Japanese	1	4,361	4,700	5,873	4,254	5,451.25	8,300
Norwegian	2	6,971	9,720	11,394	6,978	8,713.75	18,250
Peruvian	1	1,483	1,529	2,155	1,169	1,834.80	1,722
Swedish	1	3,743	4,496	15,337	4,385	4,678.75	21,500
United States	10	40,037	49,127	67,375	40,064	49,864.65	111,298
Totals	26	97,461	119,596	169,954	99,915	121,494.60	240,739
West coast of Canada to Europe:							
British	10	38,257	50,083	62,141	38,551	47,821.25	70,739
Danish	1	5,458	6,927	8,681	5,525	6,822.50	12,252
Dutch	3	15,810	19,545	25,358	15,775	19,762.50	27,933
French	2	6,637	9,253	11,102	6,894	8,296.25	14,916
German	1	3,774	5,755	6,079	3,810	4,717.50	7,466
Italian	1	4,609	5,214	7,434	4,662	5,761.25	9,014
Japanese	3	12,830	13,625	17,463	12,723	15,843.45	22,285
Norwegian	1	4,523	5,627	7,093	4,479	5,653.75	9,600
Swedish	1	2,878	4,919	4,960	3,665	3,597.50	6,145
United States	2	7,130	10,480	11,536	7,114	8,912.50	16,332
Totals	25	101,906	131,428	161,847	103,198	127,188.45	196,582

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
West coast of United States to Europe:							
Belgian	1	6,279	6,362	8,247	5,978	$7,634.40	10,416
British	10	36,445	45,191	59,898	36,695	45,556.25	76,212
German	1	3,807	5,661	6,097	3,814	4,758.75	7,736
Norwegian	1	5,474	6,287	8,898	5,217	6,842.50	11,400
Swedish	1	3,386	5,456	5,558	4,246	4,232.50	7,146
United States	4	16,480	22,411	26,486	16,418	20,600.00	40,439
Totals	18	71,871	91,368	115,184	72,368	89,624.40	153,349
West coast of South America to Europe:							
British	5	28,428	36,161	46,992	28,909	35,535.00	43,805
Dutch	2	8,307	11,413	13,850	8,157	10,383.75	18,519
French	2	6,153	8,545	10,025	6,197	7,691.25	15,902
German	5	17,117	20,597	27,908	17,115	21,396.25	35,350
Spanish	1	3,017	3,844	5,205	3,226	3,771.25	824
Totals	15	63,022	80,560	103,980	63,604	78,777.50	114,400
Australasia to Europe:							
British	[1] 12	64,849	85,456	104,632	65,406	83,712.75	71,199
West coast of South America to Cristobal, C. Z.:							
Colombian	1	164	163	233	166	205.00	317
German	2	1,307	1,607	2,337	1,297	1,633.75	1,884
Italian	1	3,441	3,961	5,311	3,844	4,301.25	7,488
Panaman	1	113	124	207	109	141.25	234
Peruvian	2	2,504	5,364	7,922	3,941	3,130.00	4,357
Swedish	2	688	842	1,316	872	860.00	1,437
Totals	9	8,217	12,061	17,326	10,229	10,271.25	15,717
West coast of Canada to east coast of United States:							
British	1	2,873	3,468	4,576	2,957	3,591.25	6,369
Japanese	1	4,337	4,962	5,711	4,359	5,421.25	8,534
United States	5	14,895	19,565	24,165	14,834	18,618.75	29,343
Totals	7	22,105	27,995	34,452	22,150	27,631.25	44,246
West coast of United States to Cristobal, C. Z.:							
British	1	7,534	8,463	12,029	7,440	9,417.50	13,200
United States	6	27,844	32,754	42,976	27,746	34,668.10	56,176
Totals	7	35,378	41,217	55,005	35,186	44,085.60	69,376
West coast of Central America to Cristobal, C. Z.:							
British	3	1,900	2,063	3,436	1,906	2,375.00	2,997
Norwegian	1	485	606	855	482	606.25	1,216
United States	1	1,382	1,744	2,332	1,481	1,727.50	2,278
Totals	5	3,767	4,413	6,623	3,869	4,708.75	6,491
Philippine Islands to east coast of United States:							
Japanese	1	3,319	4,125	5,396	3,231	4,148.75	6,892
United States	3	16,554	18,501	23,014	16,540	20,692.50	30,184
Totals	4	19,873	22,626	28,410	19,771	24,841.75	37,076
Australasia to east coast of United States:							
French	1	3,178	3,559	4,999	3,156	3,972.50	5,400
United States	3	12,551	14,003	17,863	12,443	15,348.60	2,848
Totals	4	15,729	17,562	22,862	15,599	19,321.10	8,248
West coast of South America to east coast of Canada:							
British	3	14,876	17,397	25,191	14,926	18,595.00	34,175
West coast of South America to West Indies:							
British	1	3,205	4,058	5,231	3,210	4,006.25	7,498
Spanish	1	3,894	4,547	6,202	3,897	4,867.50	8,800
Totals	2	7,099	8,605	11,415	7,107	8,873.75	16,298

[1] Includes naval vessel of 5,303 tons displacement.

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Australasia to east coast of Canada:							
British	2	6,579	8,251	10,854	6,694	$8,223.75	3,103
West coast of Central America to Europe:							
German	2	4,721	6,154	7,879	4,730	5,901.25	5,278
South American intercoastal:							
Colombian	1	1,199	1,506	2,055	1,251	1,498.75	1,045
Danzig	1	5,202	5,928	8,744	5,026	6,502.50	11,103
Totals	2	6,401	7,434	10,799	6,277	8,011.25	12,148
West coast of United States to West Indies:							
United States	2	8,723	10,955	14,061	8,784	10,903.75	17,120
Far East to east coast of United States:							
Japanese	1	3,842	4,769	5,652	3,451	4,802.50	4,357
West coast of South America to Africa:							
Yugoslav	1	3,547	4,536	5,635	3,537	4,433.75	8,500
Far East to Europe:							
British	1	3,909	5,757	6,074	3,941	4,886.25	8,998
Australasia to east coast of Canada:							
British	1	3,262	4,070	5,758	3,549	4,077.50	753
Central American intercoastal:							
British	(a) 1	.....	.....	.....	.....	2,338.50	.....
Far East to West Indies:							
Norwegian	1	2,477	4,538	4,116	2,454	3,096.25	7,000
West coast of United States to east coast of South America:							
United States	1	4,172	4,886	6,094	3,748	5,215.00	9,959
West coast of United States to east coast of Canada:							
United States	1	6,020	8,033	9,648	6,020	7,525.00	16,200
Totals, March, 1927	226	893,654	1,130,781	1,448,585	899,352	1,120,840.40	1,741,955
Totals, March, 1926	235	891,568	1,138,348	1,427,433	896,542	1,111,412.77	1,769,240
Totals, March, 1925	192	761,070	955,000	1,224,965	767,607	947,618.27	1,460,730

[a] Naval vessel of 4,677 tons displacement.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity ..... .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton ..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

Notice to Mariners.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., April 14, 1927.

The following letter was received by The Panama Canal:

REPUBLIC OF ECUADOR,
PORT CAPTAIN'S OFFICE, GUAYAQUIL, April 5, 1927.

Director of the Hydrographic Office, Cristobal, Canal Zone:

SIR.—Please take note of the following changes made in the location of the buoys in the Guayaquil Gulf:

I. We have abandoned the idea of placing Buoy No. 1 as it was projected in the Isla Verde Shoal; therefore, Buoy *No. 2* becomes *No. 1*, and Buoy *No. 3* becomes *No. 2*.

II. It has been seen in the practice that the current has displaced the buoys from their former positions so they have been placed in other locations where we expect they will withstand the current.

The situation of the buoys is:

Buoy No. 1 (which was No. 2 before), latitude, 2° 48′ 55″ S., longitude, 79° 53′ 15″ W.; characteristics, flash, 0.3 seconds, dark, 2.7 seconds.

Buoy No. 2 (which was No. 3 before), latitude, 3° 1′ 45″ S., longitude, 80° 1′ 30″ W.; characteristics, flash, 0.3 seconds; dark, 2.7 seconds.

Which I have the pleasure of communicating to you, Honor and Fatherland,
The Port Captain, (Sgd.) J. F. ANDA.

NOTE.—The above positions differ somewhat from those given in Hydrographic Office Notice to Mariners, No. 14 of April 2, 1927, page 357.

M. L. WALKER,
Governor.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending April 16, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Van Renselaer	Royal Netherlands W. I. Mail		April 10		900
Pastores	United Fruit Co	April 10	April 10	14	182
Borga	Norway Pacific Line	April 10	April 11	630	42
Georgie	French Line	April 10	April 11	53½	358
Heredia	United Fruit Co	April 10	April 11	5	208
Stella	Panama Mail S. S. Co	April 10	April 12	1,195	(1)
U. D. Vinton	R. Feuillebois	April 11	April 11	(2)	28
Chiman	National Navigation Co	April 11	April 13	236	(1)
Anatolia	Roland Line	April 11	April 14	88	690
Ulua	United Fruit Co	April 11	April 14	339	5
Montgomeryshire	Royal Mail S. P. Co	April 11	April 14	(2)	427
Scania	Colombian Transport Co	April 12	April 15	852	738
Dos Hermanos	Isthmian Land & Fruit Co	April 12	April 12	12	(1)
Almagro	Pacific Steam Navigation Co	April 12	April 15	1,258	24
Planet	Hamburg-American Line	April 13	April 14	37	313
Murla	Roland Line	April 13	April 14	209	73
Hans Leonhardt	Leonhardt & Blumberg	April 13	April 14	775	(1)
Orcoma	Pacific Steam Navigation Co	April 13	April 13	(2)	203
Carrillo	United Fruit Co	April 13	April 14	170	429
Cristobal	Panama Railroad S. S. Line	April 13		3,143	
Coppename	United Fruit Co	April 13	April 13	8	548
Suriname	United Fruit Co	April 13	April 14	1,097	77
Sixaola	United Fruit Co	April 14	April 14	1	24
Texas	French Line	April 14	April 16	764	(1)
Iserlohn	Hamburg-American Line	April 14	April 16	413	1,321
San Gil	United Fruit Co	April 14	April 14	116	(3)
Favorita	Standard Fruit S. S. Co	April 14	April 14	278	8
Cavina	Elders & Fyffes, Ltd	April 15	April 16	7	(1)
Favorita	Standard Fruit S. S. Co	April 15	April 16	1	346
Santa Cecelia	Grace Line	April 15	April 16	(4)	(1)
Cartago	United Fruit Co	April 16		244	
San Jose	United Fruit Co	April 16	April 16	14	463
Arizona	French Line	April 16		211	

[1] No cargo laded. [2] No cargo discharged. [3] 8 packages. [4] 4 packages.

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines, and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unncessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, bunker ships at the rate of from 100 to 500 tons an hour, practically as fast as the nature of the vessel will allow. Oil can be delivered from 30 tanks aggregating approximately 1,500,000 barrels of storage capacity, as fast as the ships can take it. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A salvage service operated by the Canal is available for prompt assistance to vessels within a radius of a thousand miles of the Canal, or farther if required. Seagoing tugs or a wrecking tug with requisite equipment are dispatched on short notice.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective, in the course of handling large traffic through the Canal in nearly 10 years of operation.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will always save time by applying to the nearest American Consul.

Binders for The Panama Canal Record.

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

Trips Through the Canal.

The following lines operating passenger vessels through the Canal carry local passengers from one terminal to the other: Panama Mail Steamship Company, Pacific Steam Navigation Company, Grace Line, Chilean Line. The Panama Mail and Chilean Line charge $6 for the trip, the others $10. The several services together afford about 4 transits of the Canal each way every week.

Postal Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

MOVEMENTS OF OCEAN VESSELS.—Continued from page 487.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
April 13	St. Mihiel [29]	U. S. Army	New York via Galveston	April 13	Inapaquina [30]	United Fruit Co	Colon, R. P.
April 13	Inapaquina [30]	United Fruit Co	Colon, R. P.	April 14	Carrillo	United Fruit Co	Colombian ports.
April 14	Sixaola	United Fruit Co	Colombian ports	April 14	Sixaola	United Fruit Co	New York via Kingston.
April 14	Favorita	Standard Fruit S. S. Co	New Orleans, La.	April 14	San Gil	United Fruit Co	Boston via wayports.
April 14	San Gil	United Fruit Co	Pocas del Toro, R. P.	April 14	Suriname	United Fruit Co	Port Limon via wayports.
April 15	Cavina	Elders & Fyffes, Ltd	Port Limon, Costa Rica.	April 14	Favorita	Standard Fruit S. S. Co	San Blas coast, R. P.
April 15	Favorita	Standard Fruit S. S. Co	San Blas coast, R. P.	April 16	Cavina	Elders & Fyffes, Ltd	Bristol via Kingston.
April 16	San Jose	United Fruit Co	Puerto Colombia.	April 16	Favorita	Standard Fruit S. S. Co	New Orleans, La.
April 16	Cartago	United Fruit Co	New York via Habana.	April 16	San Jose	United Fruit Co	New York via Habana.

[29] Transport. [30] Motor schooner.

PORT OF BALBOA.

April 10	Coalinga	Union Oil Co. of Calif.	San Francisco, Calif.	April 12	Coalinga	Union Oil Co. of Calif.	Los Angeles, Calif.
April 12	Pathfinder [30]	A. Valdez	Panama Bay, R. P.	April 12	Pathfinder [30]	A. Valdez	Panama, R. P.
April 12	Stockton	U. S. Shipping Board	Los Angeles, Calif.	April 17	Stockton	U. S. Shipping Board	Los Angeles harbor.
April 16	Nora	Grace Line	Los Angeles, Calif.				

* Other than ships passing through the Canal.

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OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., April 27, 1927. No. 38.

CANAL WORK IN MARCH, 1927.

The following is the report of the Governor to the Secretary of War, of Canal work in the month of March, 1927:

BALBOA HEIGHTS, C. Z., *April 21, 1927.*

The Honorable, the Secretary of War,
Washington, D. C.

SIR: I have the honor to submit the following report covering operations of The Panama Canal during the month of March, 1927:

NUMBER OF TRANSITS.

During the month 496 commercial vessels transited the Canal. In addition to these, 19 nonseagoing launches, measuring under 20 tons, and 115 vessels belonging to or chartered by the United States Government, transited the Canal, making a total of 630 transits for the month, or a daily average of 20.32.

Tolls on the 496 commercial vessels amounted to $2 217,913.20, and on the launches to $157.39, making a total tolls collection of $2,218,070.59, or a daily average on all trafficof $71,550.66. The average amount of tolls paid by each of the commercial transits was $4,471.60, as compared with $4,442.89 for the month of February, 1927.

The total number of craft of all kinds, 630, exclusive of Canal equipment, transiting the Canal during the month of March, establishes a new record for this item, exceeding by 21 the previous high record for transits established in March, 1926. The total number of craft of all classes transiting the Canal during the month of March, as compared with the same months in 1926 and 1925, is shown in the following tabulation:

	March, 1927.	March, 1926.	March, 1925.
Commercial vessels	496	506	398
Noncommercial vessels, Army and Navy	115	89	37
Launches (under 20 tons measurement)	19	12	11
For repairs		2	.....
Totals	630	609	446

In addition to the vessels listed above, Panama Canal equipment consisting of dredges, tugs, barges, etc., was passed through the locks as follows:

	Northbound.	Southbound.	Total.
Gatun	10	6	16
Pedro Miguel	21	26	47
Miraflores	23	28	51
Totals	54	60	114

COMMERCIAL TRAFFIC.

The following tabulation shows the number of vessels, Panama Canal net tonnage, tolls, and tons of cargo carried by vessels transiting the Canal each month from the beginning of the fiscal year 1927 to the end of March, 1927, as compared with the same months in the previous year:

COMMERCIAL TRAFFIC.[1]

Month.	No. vessels.		Panama Canal net tonnage.		Tons of cargo.		Tolls.	
	1925–6	1926–7	1925–6.	1926–7.	1925–6.	1926–7.	1925–6.	1926–7.
July	418	456	1,951,295	2,154,821	1,960,654	2,185,527	$1,800,239.84	$1,980,719.67
August	372	464	1,779,627	2,230,905	1,912,217	2,321,697	1,657,893.90	2,055,041.91
September	388	446	1,831,039	2,186,804	1,891,988	2,239,547	1,692,723.11	2,019,626.42
October	410	445	1,955,485	2,124,519	2,009,171	2,374,711	1,826,314.64	1,989,213.93
November	424	428	2,028,034	2,032,488	2,023,398	2,272,449	1,870,087.68	1,889,001.11
December	462	458	2,257,409	2,135,002	2,358,170	2,310,270	2,111,896.53	1,996,036.72
January	479	443	2,300,187	2,121,631	2,346,643	2,241,765	2,103,368.29	1,984,760.71
February	424	449	1,991,127	2,201,328	2,139,207	2,230,107	1,835,226.47	1,994,860.82
March	506	496	2,398,694	2,413,999	2,607,046	2,533,525	2,206,212.20	2,217,913.20
Totals	3,883	4,085	18,492,897	19,601,497	19,248,494	20,709,598	17,103,962.66	18,127,174.49

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States Government, including merchant vessels chartered by the Government, do not pay tolls. Shipping Board vessels in commercial service pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

The following is a summary of the commercial traffic for March, 1927, as compared with the corresponding month in 1926 and 1925, and the monthly average for the calendar year 1926:

	March, 1927.	March, 1926.	March, 1925.	Average per month for calendar year 1926.
Number of vessels	496	506	398	451
United States net tonnage	1,899,427	1,880,278	1,567,581	1,687,875
Panama Canal net tonnage	2,413,999	2,398,694	1,964,106	2,153,020
Registered gross tonnage	3,080,929	3,040,091	2,514,903	2,753,689
Registered net tonnage	1,906,544	1,886,717	1,571,931	1,694,149
Tolls	$2,817,913.20	$2,206,212.20	$1,840,103.14	$1,991,795.00
Tons of cargo carried	2,533,525	2,607,046	2,104,324	2,298,896

The average daily number of transits, tonnage, tolls, and cargo, are shown in the following statement, in comparative form, commercial vessels only:

	Average per day.			Average per day for calendar year 1926.
	March, 1927.	March, 1926.	March, 1925.	
Number of transits	16.00	16.32	12.62	14.84
Panama Canal net tonnage	77,871	77,377	63,358	70,784
Tolls	$71,545.59	$71,168.13	$59,358.16	$65,483.67
Tons of cargo carried	81,726	84,098	67,881	75,578

AVERAGE TONNAGE, TOLLS, AND TONS OF CARGO PER VESSEL.

The average tonnage, tolls, and cargo per vessel transiting the Canal during the month of March, 1927, as compared with March, 1926, and March, 1925, are shown in the following tabulation:

	Average per vessel.		
	March, 1927.	March, 1926.	March, 1925.
United States equivalent net tonnage	3,829	3,716	3,938
Panama Canal net tonnage	4,866	4,740	4,935
Registered gross tonnage	6,211	6,008	6,319
Registered net tonnage	3,843	3,728	3,949
Tolls	$4,471.60	$4,360.10	$4,623.37
Tons of cargo (including vessels in ballast)	5,107	5,152	5,287
Tons of cargo (laden vessels only)	6,463	6,266	6,455

TOLLS.

At present, tolls are collected at rates of $1.20 per ton for laden vessels and $0.72 per ton for vessels in ballast, computed on the basis of the Panama Canal rules of measurement, with the provision that tolls shall not exceed $1.25 per ton nor be less than $0.75 per ton as determined in accordance with the United States rules for the measurement of net registered tonnage. In order to ascertain the proper tolls charges, it is necessary, therefore, that the net tonnage of vessels transiting the Canal be determined both in accordance with the Panama Canal and the United States rules of measurement.

Taking the traffic through the Canal for the month of March, 1927, the following tabulation shows a comparison of tolls actually collected under the present method of assessing tolls, and the tolls that would have been collected on the basis of the Panama Canal rules of measurement at the proposed rates of $1 laden and $0.60 ballast, with the transits for the month segregated by flag:

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
Belgian	$16,262.14	$14,029.20		$2,232.94
British	600,050.59	609,679.80	$9,629.21	
Chilean	8,933.00	9,532.00	600.00	
Colombian	3,245.70	3,211.00		34.70
Danish	16,621.25	17,173.00	551.75	
Danzig	10,769.94	9,484.20		1,285.74
Dutch	59,543.25	62,040.20	2,496.95	
Finnish	1,377.75	1,099.80		277.95
French	37,121.15	38,942.00	1,820.85	
German	62,016.79	66,096.80	4,080.01	
Italian	30,265.75	27,227.00		3,038.75
Japanese	82,870.96	76,895.40		5,975.56
Norwegian	83,800.07	82,929.60		870.47
Panaman	1,053.75	911.00		142.75
Peruvian	10,686.05	14,878.00	4,191.95	
Spanish	18,543.71	17,290.80		1,252.91
Swedish	32,083.11	35,279.40	3,196.29	
United States	1,133,731.99	1,120,415.40		13,316.59
Yugoslav	8,936.25	8,915.00		21.25
Totals	2,217,913.20	2,216,030.60	26,567.01	28,449.61

The decrease on vessels of United States registry would have been made up, with respect to channels of trade in which the vessels were engaged, as follows:

United States intercoastal trade	$8,512.70
United States foreign trade	2,661.88
United States–Canal Zone trade	2,142.01
Totals	13,316.59

RATIO OF CARGO TONNAGE TO NET TONNAGE.

The ratio of cargo tonnage to net tonnage, Panama Canal measurement, of vessels transiting the Panama Canal in March, 1927, is shown in the following tabulation, segregated by nationality of vessels and direction of transit. Laden vessels only are included:

Nationality.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Belgian		1.66	1.66
British	.98	1.30	1.12
Chilean	.51	1.08	.80
Colombian	1.18	.81	.98
Danish	.87	1.76	1.23
Danzig		1.87	1.87
Dutch	.56	1.50	1.04
French	.57	1.69	1.22
German	1.09	1.45	1.31
Italian	.26	1.77	.93
Japanese	1.16	1.56	1.34
Norwegian	1.22	1.77	1.49
Panaman	1.63	1.88	1.55
Peruvian	.44	.88	.64
Spanish	.09	1.14	.82
Swedish	1.20	2.30	1.79
United States	1.08	1.63	1.43
Yugoslav	1.25	1.87	1.57
Average, March, 1927	1.04	1.54	1.32
Average, March, 1926	1.02	1.55	1.33
Average, March, 1925	.94	1.54	1.30

CLASSIFICATION OF VESSELS.

A further classification of commercial vessels passing through the Canal during the month of March, 1927, is as follows:

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Tank ships:						
Laden	1	3,933	$4,333.75	58	349,070	$355,116.50
Ballast	59	340,933	245,831.34			
General cargo ships:						
Laden	167	784,364	735,650.80	166	781,711	760,733.90
Ballast	42	153,894	111,186.41			
Noncargo-carrying ships:						
Naval				2		4,990.00
Yachts	1	94	70.50			
Totals	270	1,283,218	1,097,072.80	226	1,130,781	1,120,840.40
Method of propulsion:						
Steam	230	1,115,737	957,358.06	201	1,018,788	1,010,549.00
Motor	37	165,494	138,223.29	24	109,094	106,815.00
Motor (schooners)	2	154	113.70			
Sail	1	1,833	1,377.75	1	2,899	3,476.40
Totals	270	1,283,218	1,097,072.80	226	1,130,781	1,120,840.40

Of the 431 steam-driven vessels, 294 were oil-burning, 130 coal-burning, and 7 burned either coal or oil.

NONCOMMERCIAL TRAFFIC.

The following statement shows the tonnage and the amount of cargo carried by vessels transiting the Panama Canal free of tolls during the month of March, 1927. If tolls had been assessed against these vessels at commercial rates, the amount collected would have been approximately as indicated.

Class and nationality.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of transits.	Tonnage.	Tolls.	No. of transits.	Tonnage.	Tolls.
U. S. Naval vessels:						
Airplane carriers	1	[1] 12,500	$6,250.00			
Auxiliaries	2	[1] 22,900	11,450.00			
Battleships	11	[1] 344,500	172,250.00			
Cargo ships				2	[1] 6,324	$7,901.25
Cruisers	2	[1] 15,000	7,500.00	1	[illegible]	3,750.00
Destroyers	42	[1] 51,030	25,515.00	5	[1] 9,720	4,860.00
Destroyer tenders	2	[1] 21,075	10,537.50			
Hospital ships	1	[1] 9,800	4,900.00			
Launches				3	[2] 15	10.80
Mine layers	1	[1] 3,800	1,900.00			
Mine sweepers	9	[1] 7,700	3,850.00	1	[1] 950	475.00
Repair ships	1	[1] 10,000	5,000.00			
Store ships	1	[3] 4,276	5,345.00			
Submarines	7	[1] 3,980	1,990.00	7	[1] 7,974	3,987.00
Tankers	1	[2] 6,424	7,708.80	3	[2] 18,205	21,846.00
Transports				1	[3] 3,992	4,990.00
U. S. Army vessels:						
Launches				2	[illegible]	7.20
Mine planters	2	[1] 2,000	1,000.00			
Transports	2	[2] 9,592	11,510.40	2	[illegible]	12,510.00
Totals	85		276,706.70	30		60,337.25

[1] Indicates displacement tonnage. [2] Indicates Panama Canal net tonnage. [3] Indicates United States net tonnage.

The foregoing noncommercial vessels transiting the Canal during the month of March, 1927, carried cargo as follows:

	Tons.
Atlantic to Pacific	11,268
Pacific to Atlantic	15,155
Totals	26,423

The following statement shows the number of launches transiting the Canal during the month of March, 1927. These launches, although paying tolls, are excepted from statements concerning commercial traffic:

	Number.	Tonnage.	Tolls.
Atlantic to Pacific	13	120	$93.39
Pacific to Atlantic	6	64	64.00
Totals	19	184	157.39

STATEMENT OF TERMINAL OPERATIONS.

Details of the business transacted at the Atlantic and Pacific terminals of the Panama Canal during the month of March, 1927, are shown in the following tabulation:

		Cristobal.	Balboa.	Total.
Local cargo arriving	tons	145,128	64,353	209,481
Local cargo shipped	tons	5,678	560	6,238
Transit cargo arriving	tons	2,440,655	2,499,254	4,939,909
Transit cargo clearing	tons	2,411,810	2,529,435	4,941,245
Cargo received for transshipment	tons	35,298	8	35,306
Cargo transshipped	tons	31,792	155	31,947
Vessels supplied with bunker coal:				
Commercial, other than Panama Railroad Company		80	2	82
United States Army		1		1
Totals		81	2	83
Coal supplied to above vessels:				
Commercial, other than Panama Railroad Company	tons	30,101	3	30,104
United States Army	tons	43		43
Totals	tons	30,144	3	30,147
Coal issued, miscellaneous:				
Panama Canal departments	tons	100	67	167
U. S. Army, excepting vessels	tons	142		142
Individuals and companies	tons	221		221
Panama Railroad Company	tons	12	5	17
Transferred to Navy	tons	75		75
Total issues and sales	tons	30,694	75	30,769
Coal on hand, April 1, 1927	tons	101,527		101,527
Coal on hand, March 1, 1927	tons	72,025		72,025
Coal received during month	tons	58,528		58,528
Coal received from Navy	tons	1,668	75	1,743
Fuel oil issued from Panama Canal tanks:				
Panama Canal departments	bbls	8,256.98	22,931.33	31,188.31
Panama Railroad Company	bbls	866.91		866.91
Army and Navy	bbls		516.56	516.56
Individuals and companies	bbls		112.86	112.86
Total issues and sales	bbls	9,123.89	23,560.75	32,684.64
Fuel oil on hand, April 1, 1927	bbls	64,311.67	45,245.66	109,557.33
Diesell oil sold during March, 1927	bbls	175.75		175.75
Diesel oil on hand, April 1, 1927	bbls	28,966.39	342.88	29,309.27
Miscellaneous transfers	bbls		976.69	976.69
Gasoline and kerosene pumped for The Panama Canal	bbls	6,549.12	9,451.24	16,000.36
Gasoline pumped for individuals and companies	bbls		20,303.26	20,303.26
Oil pumped for individuals and companies	bbls	974,729.69	813,510.85	1,788,240.54
Total fuel oil, gasoline, and kerosene handled	bbls	990,578.45	867,802.79	1,858,381.24
Admeasurement of vessels:				
U. S. equivalent certificates issued		30	4	34
Measured for Panama Canal net tonnage		12	2	14
Remeasured for Panama Canal net tonnage		21	1	22
Panama Canal net tonnage corrected		3	3	6
U. S. equivalent tonnage corrected		10	6	16
Services of harbor equipment:				
Tugs, total operating hours		618	489¾	1,107¾
Launches, total operating hours		1,777½	1,879¾	3,657¼
Scows, total operating days			5	5
Revenue from tug service, pilotage, etc.:				
Tug revenue		$18,616.25	$17,708.40	$36,324.65
Pilotage		20,551.00	9,326.00	29,877.00
Seamen		12,740.00	10,700.00	23,440.00
Launch service		2,613.00	3,942.00	6,555.00
Wharfage		17,352.38	5,868.71	23,221.09
Ships measured		535.00	105.00	640.00
Miscellaneous cash collections		1,211.40	587.00	1,798.40

	Cristobal.	Balboa.	Total.
Ships repaired at Panama Canal shops:			
Commercial	48	11	59
U. S. Army and Navy	11	16	27
Panama Canal equipment	20	3	23
Vessels dry docked:			
Commercial	8		8
Panama Canal equipment		5	5
Clearances issued	329	286	615
Bills of health issued	337	290	627

ALL VESSELS ENTERING AND CLEARING PORT.

	Port of Cristobal.			Port of Balboa.		
	No. of ships.	Registered gross tonnage.	Registered net tonnage.	No. of ships.	Registered gross tonnage.	Registered net tonnage.
Ships entering.						
All vessels, including those transiting Canal	678	4,098,369	2,750,576	636	3,827,195	2,754,174
Vessels entering port, but not transiting Canal	109	406,800	267,118	31	146,819	126,013
Vessels transiting Canal and handling passengers and cargo at terminal ports	104	612,308	375,353	105	623,969	387,544
Ships clearing.						
All vessels, including those transiting Canal	677	4,099,499	2,754,174	634	3,848,026	2,695,647
Vessels clearing port but not transiting Canal	107	407,113	265,944	23	140,290	116,778
Vessels transiting Canal and handling passengers and cargo at terminal ports	105	623,969	387,544	77	436,625	203,364

MOVEMENT OF PASSENGERS.

	At Cristobal.			At Balboa.		
	First-class.	Others.	Total.	First-class.	Others.	Total.
Disembarking:						
From Atlantic ports	1,791	1,250	3,041	55	108	163
From Pacific ports	161	63	224	326	271	597
Total disembarking	1,952	1,313	3,265	381	379	760
Embarking:						
For Atlantic ports	1,652	1,566	3,218	131	90	221
For Pacific ports	263	124	387	175	201	376
Total embarking	1,915	1,693	3,608	306	291	597
Remaining on board:						
From Atlantic to Pacific ports	1,302	4,018	5,320	1,263	3,976	5,239
From Pacific to Atlantic ports	1,270	1,234	2,504	1,516	1,806	3,322
From Atlantic to Atlantic ports	2,707	180	2,887			
From Pacific to Pacific ports				24	201	225
Total remaining on board	5,279	5,432	10,711	2,803	5,983	8,786
Total arriving	7,231	6,745	13,976	3,184	6,362	9,546
Total departing	7,194	7,122	14,316	3,109	6,274	9,383

PASSENGER-CARRYING VESSELS THROUGH CANAL.

Direction of transit.	Total commercial vessels.	Passenger carrying vessels.	Per cent of total transits.
Atlantic to Pacific	270	37	13.7
Pacific to Atlantic	226	35	15.4
Totals	496	72	14.5

In addition to the aforesaid, 117 passenger-carrying vessels called at the port of Cristobal, and 2 at Balboa, without transiting the Canal, making a total of 191 passenger-carrying vessels calling at Canal ports during the month.

COMMISSARY SALES TO VESSELS.

Following is a statement of commissary sales to vessels during the month of March, 1927:

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Cristobal to:						
Commercial vessels	$1,710.61	$9,497.48	$23,540.72	$527.73	$4,756.79	$40,033.33
Government vessels	2,216.67	10,905.36	24,245.99	215.20	9,294.32	46,877.54
Panama Railroad vessels	.....	.....	1,425.24	568.48	270.00	2,263.72
Total sales, March, 1927	3,927.28	20,402.84	49,211.95	1,311.41	14,321.11	89,174.59
Total sales, March, 1926	3,068.58	11,448.84	34,467.97	1,740.28	5,802.75	56,528.42
Total sales, March, 1925	1,925.67	7,973.33	28,299.91	922.37	2,662.87	41,784.15
Sales at Balboa to:						
Commercial vessels	1,030.58	7,843.91	12,369.96	321.95	3,238.36	24,804.76
Government vessels	903.18	4,534.73	19,580.56	349.20	1,058.33	26,426.00
Total sales, March, 1927	1,933.76	12,378.64	31,950.52	671.15	4,296.69	51,230.76
Total sales, March, 1926	2,423.10	24,811.21	60,669.18	463.47	6,572.48	94,939.44
Total sales, March, 1925	848.93	11,069.19	25,289.58	169.65	3,033.09	40,410.44

The aggregate sales to Government vessels during the month was $73,303.54; to Panama Railroad vessels, $2,263.72; and to other commercial vessels, $64,838.09, making the total sales to all vessels $140,405.35.

LOCK OPERATIONS.

The following tabulation shows the number of lockages, and the number of vessels passing through the locks during the month of March, 1927, as compared with the corresponding month in 1926, and 1925, together with the consumption of water for lockages, maintenance, etc., in March, 1927, as compared with the preceding month and the corresponding month in 1926:

Locks.	Number of lockages.						Comparative grand totals.		
	Commercial.			Noncommercial.					
	North.	South.	Total.	North.	South.	Total.	Mar., 1927.	Mar., 1926.	Mar., 1925.
Gatun	220	258	478	35	11	46	524	509	397
Pedro Miguel	218	261	479	40	23	63	442	547	438
Miraflores	218	259	477	39	19	58	535	536	426
	Number of vessels put through locks.								
Gatun	238	288	526	102	33	135	661	643	463
Pedro Miguel	230	272	502	97	39	136	638	672	507
Miraflores	230	272	502	105	41	146	648	659	311

CLASSIFICATION OF NONCOMMERCIAL VESSELS.

	Gatun.	Pedro-Miguel.	Miraflores.
Army and Navy vessels	119	89	95
Panama Canal equipment	16	47	51

The total consumption of water for lockages, maintenance, and loss in leakage was as follows:

	Gatun.	Pedro Miguel.	Miraflores.
	Cubic feet.	*Cubic feet.*	*Cubic feet.*
Lockages	1,923,580,000	1,624,430,000	1,606,000,000
Maintenance	23,430,000	.....	.....
Leakage	40,000,000	10,000,000	20,000,000
Totals, March, 1927	1,987,010,000	1,634,430,000	1,625,000,000
Totals, February, 1927	1,733,240,000	1,358,100,000	1,413,000,000
Totals, March, 1926	1,237,790,000	1,123,390,000	1,061,240,000

METEOROLOGY AND HYDROGRAPHY.

In the following tabulation the meteorological and hydrographic conditions over the Canal Zone and vicinity during the month of March are shown in comparative form:

Rainfall for month.	March.		March—Years of record.		
	1927.	1926.	Maximum.	Minimum.	Mean.
	Inches.	*Inches.*	*Inches.*	*Inches.*	*Inches.*
Pacific section	.04	T	1.93	T	.50
Central section	.75	.19	4.28	.09	.60
Atlantic section	2.41	.68	7.65	.58	1.74
Maximum recorded on any one day	.95	.31	[1] 3.24		
Gatun Lake watershed	1.64	.41	2.11	.24	.78
Chagres River watershed above Alhajuela	1.55	.55	4.58	.22	1.03
Maximum recorded for month at any one point	3.82	1.08	9.71		
Minimum recorded for month at any one point	.00	.00		.00	
Hydrography.	*C. f. s.*	*C. f. s.*	*C. f. s.*	*C. f. s.*	*C. f. s.*
Discharge of Chagres River at Alhajuela	1,151	391	1,625	382	730
Maximum momentary discharge for the month	4,057	618	[2] 19,400		
Gatun Lake watershed, total yield	1,614	493	1,792	493	1,085
Gatun Lake watershed, net yield	676	−402	1,250	-402	211
Draft on Gatun Lake for lockages and power	2,740	1,865	2,740	[3] 1,148	[3] 1,921

[1] 12.25 represents the maximum 24-hour rainfall recorded on the Canal Zone and vicinity since American occupation recorded at Gatun on October 23 and 24, 1923. NOTE. Extreme outlying stations in the Republic of Panama not included in this report. March 31, 1910. [2] Does not include March, 1914.

SEISMOLOGY.

Two seismic disturbances were recorded during the month, on the 9th and 15th. Both were felt locally.

ELECTRICAL DIVISION.

In addition to the usual operating and maintenance work performed by this division, electrical installation and repair work was done on 20 vessels during the month. There were 295 work orders issued during March, as compared with 271 for the month of February.

MECHANICAL DIVISION.

During the month miscellaneous repairs were made on 79 vessels at Cristobal and 30 at Balboa.

MUNICIPAL DIVISION.

The usual maintenance work on roads, streets and walks, and to the sewer systems, was performed during the month.

The amount of water pumped during the month totaled 730,767,540 gallons.

DREDGING DIVISION.

East and West Culebra slides showed no additional movement during March. There were no other slide movements and there was no interference with Canal traffic during the month.

The total excavation during the month was 291,945 cubic yards, as follows:

Cubic yards.	Classified as—		Character of work.	Station.	Equipment.
	Earth.	Rock.			
51,000	51,000		Maintenance	Atlantic entrance	*No. 83.*
19,700	4,000	15,700	Maintenance	Gaillard Cut	*Paraiso.*
44,800	9,000	35,800	Maintenance	Gaillard Cut	*Gamboa.*
90,750		90,750	Maintenance	Pacific entrance	*Cascades.*
22,700	22,700		Maintenance	Pacific entrance	*Cascades.*
61,990	61,990		Auxiliary	Chagres River (travel service)	*No. 86.*
1,005	1,005		Auxiliary	Sand from Cheame	*La Vall y.*

OCCUPANTS OF QUARTERS.

The number of persons including men, women, and children, occupying Panama Canal and Panama Railroad quarters on March 31, 1927, totaled 21,025, of whom 7,233 were Americans, 205 were Europeans, and 13,587 West Indians. The total number of persons in quarters on March 31, 1926, was 20,548.

WORKING FORCE.

The following tabulation shows the number of gold and silver employees as of March 16, 1927, together with a comparison of the working force for the preceding month, and for March, 1926:

Departments and divisions.	As of March 16, 1927.			Total employees.	
	Gold.	Silver.	Total.	February, 1927.	March, 1926.
Operation and Maintenance:					
Office	38	39	77	73	70
Electrical	148	171	319	321	340
Municipal Engineering	78	693	771	833	834
Lock Operation	298	1,544	1,842	1,728	871
Dredging	183	967	1,150	1,144	939
Mechanical	411	782	1,193	1,109	1,185
Marine	192	668	860	751	697
Fortifications	11	63	74	92	136
Totals	1,359	4,927	6,286	6,051	5,072
Supply Department:					
Quartermaster	178	1,428	1,606	1,565	1,470
Subsistence	7	117	124	123	128
Commissary	189	994	1,183	1,180	1,167
Cattle Industry	7	557	564	496	322
Hotel Washington	8	101	109	104	107
Transportation	47	206	253	244	234
Totals	436	3,403	3,839	3,712	3,428
Accounting Department	199	8	207	206	199
Health Department	233	838	1,071	1,063	987
Executive Department	493	276	769	775	788
Totals	825	1,122	2,047	2,044	1,974
Panama Railroad:					
Superintendent	46	229	275	289	245
Transportation	63	125	188	136	179
Receiving and Forwarding Agent	85	1,309	1,394	1,322	1,022
Coaling stations	48	250	298	359	417
Totals	242	1,913	2,155	2,156	1,863
Grand totals, March, 1927	2,962	11,365	14,327		
Grand totals, February, 1927	2,942	11,021	.....	13,963	.....
Grand totals, March, 1926	2,799	9,538	.....		12,337

VITAL STATISTICS.

A total of 167 deaths occurred during the month of March, 1927, among the population of the Canal Zone, and the cities of Panama and Colon, which is equivalent to an annual death rate of 15.67 per 1,000 population. The leading causes of death were: Tuberculosis (various organs), 30; pneumonia (acute and chronic), 20; organic diseases of the heart, 19; diarrhea and enteritis, 15; and nephritis (acute and chronic), 10. There were 5 deaths from apoplexy and 5 deaths from cancer. There were 14 deaths among nonresidents of the Isthmus. These are not included in the above statistcs.

There were 285 live births reported during the month, and 24 stillbirths. Including stillbirths, this is equivalent to an annual birth rate of 28.99 per 1,000 population. Deaths among children under 1 year of age numbered 25, giving an infant mortality rate of 87.72 per 1,000 live births

The total number of malaria cases reported from the Zone and the cities of Panama and Colon during March, was 71, of whom 6 were employees (1 white and 5 colored), 3 were members of employees' families (2 white and 1 black), 11 were other civilian nonemployees, and 51 were Army and Navy personnel—the majority of whom received their infection while on maneuvers outside the sanitated areas. Seven of the 9 employees and members of their families were probably infected outside our sanitated areas, as they gave a history of working, living, or having been in such areas at night previous to their becoming sick.

The total number of cases, 71, compares favorably with March in former years, there being only 2 years in the past 10 when the total number of cases reported was fewer—55 in 1920 and 58 in 1922.

For the first 3 months of the calendar year, the number of cases of malaria has been lower than in any similar period during the last 10 years, except 1920, in which year there were 8 cases fewer than this year.

There was one death from malaria in March, a soldier from Corozal.

RECEIPTS AND SALES OF MATERIALS AND SUPPLIES.

The value of material ordered on United States requisitions and received on the Isthmus during the month totaled $619,923.27, of which $596,435.94 was for the Department of Operation and Maintenance, and $23,487.33 for other Panama Canal departments.

Cash sales on the Isthmus from stock, fuel oil, scrap and obsolete and second-hand material amounted to $151,487.73.

FINANCIAL STATEMENT.

The following statement shows in a condensed form the aggregate revenue and expenditures for the month of February, 1927, as compared with February, 1926, together with figures for the first 8 months of the current fiscal year as compared with the same period in the fiscal year 1926.

It is impossible to submit the figures for the month of March at the time of writing this report, since all the charges, etc., involved in the accounting have not been completed:

PANAMA CANAL OPERATIONS FOR FEBRUARY, 1927, AS COMPARED WITH FEBRUARY, 1926.

	Month.		Fiscal year.	
	February, 1927.	February, 1926.	This year	Last year.
Tolls	$1,993,150.67	$1,835,299.31	$15,908,036.54	$14,897,469.19
Other receipts	276,076.12	266,905.82	2,413,818.54	2,167,992.37
Total transit revenues	2,269,226.79	2,102,205.13	18,321,855.08	17,065,461.56
Total transit expenses	999,975.97	951,560.38	8,036,269.36	7,209,229.84
Net transit revenues	1,269,250.82	1,150,644.75	10,285,585.72	9,856,231.72
Three per cent capital charge	608,233.69	613,885.37	4,874,038.48	4,898,694.91
Transit surplus	661,017.13	536,759.38	5,411,547.24	4,957,536.81
Business revenues	1,415,702.40	1,281,736.99	9,702,139.93	10,022,804.07
Business expenses	1,300,211.56	1,192,626.91	8,959,501.57	9,503,890.62
Net business revenues	115,490.84	89,110.08	742,638.36	518,913.45
Three per cent capital charge	57,661.31	53,751.38	483,012.62	455,503.57
Business surplus	57,829.53	35,358.70	259,625.74	63,409.88
Combined revenues	3,424,865.01	3,134,799.37	25,925,630.96	25,062,192.67
Combined expenses	2,040,123.35	1,895,044.54	14,897,406.88	14,687,047.50
Combined net revenues	1,384,741.66	1,239,754.83	11,028,224.08	10,375,145.17
Three per cent capital charge	665,895.00	667,636.75	5,357,051.10	5,354,198.48
Combined surplus	718,846.66	572,118.08	5,671,172.98	5,020,946.69

Respectfully,

M. L. WALKER,
Governor.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending April 23, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
City of Panama	Panama Mail S. S. Co		April 15		1,467
Cristobal	Panama Railroad S. S. Line		April 17		1,537
Lochkatrine	Pacific Steam Navigation Co		April 17		309
Ulua	United Fruit Co	April 17	April 17	6½	(2)
Calcutta Maru	Nippon Yusen Kaisha	April 17	April 17	57	(2)
Lochgoil	Pacific Steam Navigation Co	April 17	April 18	280	593
Sachsenwald	Hamburg-American Line	April 17	April 18	130	324
Else Hugo Stinnes	Hamburg-American Line	April 17	April 18	293	(2)
Kellerwald	Hamburg-American Line	April 17	Apirl 18	329	54
Cartago	United Fruit Co		April 18		187
Arizona	French Line		April 18		1,130
Arnold Maersk	U. S. Steel Products Co	April 17	April 19	1,300	(2)
W. S. Miller	Standard Oil Co	April 18	April 19	10,814	(2)
Urubamba	Peruvian Line	April 18	April 23	1,647	462
Toloa	United Fruit Co	April 18	April 20	270	1
Lobos	Pacific Steam Navigation Co	April 19	April 20	57	283
Duchessa D'Aosta	Nav. Libera-Triestina	April 19	April 20	328	(2)
Vermont	French Line	April 19	April 20	88	302
Dos Hermanos	Isthmian Land & Fruit Co	April 19	April 20	10	(2)
La Perla	United Fruit Co	April 19	Apirl 20	6½	51
Venzeuela	Italian Line	April 19	April 21	98	1,318
Suriname	United Fruit Co	April 20	April 20	5	432
Santa Marta	United Fruit Co	April 20	April 21	230	147
Saramacca	United Fruit Co	April 20	April 21	1,041	24
Atrato	Colombian Transport Co	April 20		130	
Nellie Moulton	Surgeon Brothers	April 20	April 20	(1)	62
Floreana	Colombian Transport Co	April 20		518	
Teno	Chilean Line	April 21	April 21	8	(2)
Simon Bolivar	Royal Netherlands W. I Mail	April 21	April 21	236	
Granada	Standard Fruit S. S. Co	April 21	April 21	52	(2)
West Nilus	McCormick S. S. Co	April 21	April 21	105	(2)
Carrillo	United Fruit Co	April 21	April 21	(1)	190
Santa Cruz	Grace Line	April 21	April 22	199	(2)
Ares	Royal Netherlands W. I. Mail	April 21	April 22	58	401
Hampton Roads	Shell Oil Co	April 21	April 23	10,070	(2)
Ecuador	Panama Mail S. S. Co	April 22	April 23	1,051	284
Moerdijk	Holland-American Line	April 22	April 23	81½	58
Flandre	French Line	April 22		288	
Manila Maru	Osaka Shosen Kaisha	April 22	April 23	54	(2)
Onondaga	Ford Motor Co	April 23		720	
Simon Bolivar	Royal Netherlands W. I. Mail	April 23	April 23	(3)	782
Virginia	Standard Fruit S. S. Co	April 23	April 23	(1)	416
Iowa	French Line	April 23		310	
Mayari	United Fruit Co	April 23	April 23	6	255
Salvador	Pacific Steam Navigation Co	April 23		1,030	
Ninian	Leyland Line	April 21	April 22	672	42

[1] No cargo discharged. [2] No cargo laded. [3] 3 packages.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending April 23, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Kellerwald	Hamburg-American Line	April 18	April 18	63	(1)
Rakuyo Maru	Nippon Yusen Kaisha	April 18	April 19	1	33
Ecuador	Panama Mail S. S. Co	April 21	April 22	223	(1)
Salvador	Pacific Steam Navigation Co	April 23	April 23	2	(1)
City of San Francisco	Panama Mail S. S. Co	April 23	April 24	144	(1)

[1] No cargo laded.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, April 23, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons	Gross.	Net.
British Lantern[1]	16	23 58	17	8 29	17	15 47	17	20 04	British	Chile S. S. Co.	439 0	57 0	17 0	New York, N. Y.	Los Angeles, Calif	Ballast		7,200	4,934
Paul Shoup[1]	17	10 03	17	10 30	17	16 39	17	17 58	American	Associated Oil Co	424 6	58 6	12 6	Marcus Hook, Pa.	San Francisco, Cal.	Ballast		7,333	5,119
Cuba	17	8 40	17	11 35	17	17 37	20	12 35	American	Roosevelt S. S. Co	401 9	54 2	19 0	New York, N. Y.	Fremantle, Aus'lia.	General	2,617	7,097	5,327
Gen. G. W. Getty[2]			17	..	17	15 55	..	....	American	U. S. Army	89 0	22 0		Cristobal, C. Z	Balboa, C. Z				
Lochgoil[1]	17	6 10	18	6 15	18	13 54	18	15 05	British	Royal Mail S. P. Co	485 6	62 3	21 10	London, England	Portland, Oreg	General, bananas	3,989	10,803	7,606
Tuscaloosa City	17	14 30	18	7 15	18	14 50	18	16 10	American	Isthmian S. S. Lines	424 2	56 2	25 9	Baltimore, Md	Tacoma, Wash	Steel, general.	8,242	7,611	5,450
Buenaventuro	17	15 20	18	9 50	18	17 24	18	18 34	British	P. N. & J. Carranza.	219 3	32 0	14 0	Caveuas, Colombia	Buenaventura, Col.	Cattle	160	1,345	806
J. R. Gordon.	18	23 05	18	9 30	18	16 44	18	17 50	American	Union Sulphur Co	439 8	54 2	23 6	Baltimore, Md	Los Angeles, Calif	General	6,600	6,581	4,784
Sachsenwald	17	9 35	18	13 20	18	20 39	18	21 50	German	Kosmos Line	383 7	49 7	23 4	Hamburg, Germany	San Antonio, Chile	General	4,928	4,931	3,610
Swan[4]			18	6 15	18	13 42			American	U. S. Navy	180 0	35 6		Cristobal, C. Z	Balboa, C. Z				
Nitro[3]	18	5 55	19	6 35	19	14 12	21	12 30	American	U. S. Navy	462 0	60 10	25 9	Norfolk, Va.	San Diego, Calif.	Naval supplies	3,125		
Columbian	18	20 53	19	8 00	19	14 58	19	16 00	American	Amer.-Hawaiian Line	404 8	53 0	22 0	Boston, Mass	Los Angeles, Calif.	General	4,518	6,760	4,450
W. S. Miller[1]	18	18 45	19	13 45	19	20 42	19	21 54	American	Standard Oil Co	435 0	56 0	19 0	Cristobal, C. Z	Los Angeles, Calif	Ballast		7,470	5,144
Vermont.	19	9 53	20	6 10	20	13 50	20	14 55	French	French Line	399 6	52 0	23 0	Havre, France.	Vancouver, B. C.	Steel bars, etc.	4,373	5,822	4,122
Lobos[5]	19	14 50	20	7 10	20	14 30	20	23 27	British	Pacific Steam Nav. Co	404 7	54 2	16 10	London, England	Valparaiso, Chile	General	2,287	7,151	4,756
Willpolo	20	13 00	20	13 10	20	19 52	21	00 42	American	Williams S. S. Line	336 8	52 2	22 0	New York, N. Y.	Seattle, Wash	General	5,450	5,680	4,080
Duchessa D'Aosta	19	17 20	20	13 45	20	20 49	20	22 20	Italian	Nav. Libera-Triestina	459 0	57 4	22 0	Venice, Italy.	Vancouver, B. C.	General	3,990	8,011	5,552
Lewis Luckenbach	20	13 47	20	14 10	20	21 42	21	2 00	American	Luckenbach Line	496 0	68 2	26 0	Boston, Mass	Seattle, Wash	General	10,002	11,487	8,762
Dos Hermanos[1]	19	17 35	20	8 30	20	15 55	20	23 27	Panaman	Isth. Land & Fruit Co.	35 0	12 0	3 0	Cristobal, C. Z	Panama, R. P.	Ballast		17	13
Dalblair	20	12 20	21	6 15	21	13 34	21	15 25	British	Flood Brothers	496 5	54 0	23 3	Antwerp, Belgium	San Francisco, Cal.	Sand and coke.	6,700	6,124	4,608
John D. Archbold[1]	20	14 35	21	6 15	21	14 07	21	15 55	American	Standard Oil Co	554 9	75 3	29 0	Baltimore, Md	Los Angeles, Calif	Ballast		14,785	10,313
Santa Lucia.	20	19 05	21	6 25	21	14 37	21	18 05	American	Grace Line	369 2	51 6	23 3	New York, N. Y	Callao, Peru	General	2,140¾	5,710	3,998
Tohsei Maru	21	5 55	21	8 15	21	16 08	21	19 15	Japanese.	Yamashita K. Kaisha	400 0	53 0	29 5	New York, N. Y.	Kobe, Japan	Scrap iron.	5,063	6,262	4,488
Abtot	21	9 35	21	9 50	21	17 31	21	20 50	American	Firkbine, Guild Tr. Co	385 8	52 2	21 3	Mobile, Ala	San Francisco, Cal.	General	5,820	5,732	4,131
West Nilus.	21	6 45	21	12 19	21	18 48	21	20 11	American	McCormick S. S. Co	410 5	54 3	22 0	Buenos Aires, Arg.	Seattle, Wash	General	5,716	6,581	4,989
Ares	21	2 35	22	6 15	22	13 35	22	15 00	Dutch	Royal Neth. W. I. Mail	349 2	48 0	22 6	Amsterdam, Holl	Corral, Chile	General	4,623	4,385	3,195
San Gaspar[1]	21	21 00	22	6 49	22	14 48	22	15 54	British	Anglo-Mexican Pet. Co.	539 0	68 2	22 6	London, England	Los Angeles, Calif	Ballast		13,122	9,350
Havana Maru.	21	21 40	22	7 25	22	15 47	22	16 50	Japanese.	Osaka Shosen Kaisha	497 3	59 10	26 0	New York, N. Y	Shanghai, China	(7)		6,252	6,538	4,769
Charles H. Cramp	22	3 10	22	7 50	22	16 34	22	19 53	American	Argonaut S. S. Co.	404 6	53 9	28 0	Providence, R. I.	Tacoma, Wash	General	7,922	6,755	4,759
President Monroe	22	4 10	22	8 35	22	16 22	23	00 20	American	Dollar Line	502 1	62 2	26 0	New York, N. Y	San Francisco, Cal.	General	4,198	12,023	8,495
Buffalo Bridge	22	4 25	22	9 25	22	17 25	23	1 15	American	Amer.-Hawaiian Line	324 0	46 0	20 0	Charleston, S. C.	Seattle, Wash	General	3,009	3,985	2,630
Rotorua	22	11 40	22	11 55	22	18 54	23	2 07	British	N. Z. Shipping Co.	526 0	61 4	30 0	London, England	Wellington, N. Z	General	8,955	12,846	9,439
Scota[4]	18	17 10	22	6 15	22	14 47	..	....	American	U. S. Navy	149 3	30 0		Cristobal, C. Z	Balboa, C. Z	(8)			

[1] Tanker. [2] Tug. [3] Motor ship. [4] Mine sweeper. [5] Ammuniton ship. [6] Motor schooner. [7] Tin plates, cotton, steel, and general. [8] Towing barge *No. 2.*

Hampton Roads [1]	21	18.30	23	6.10	23	13.38	23	14.45	American	Oil Transport Co.	431.0	59.2	18.0	Cristobal, C. Z.	Los Angeles, Calif.	Ballast		8,093	5,541
Moerdijk	22	10.38	23	6.05	22	14.17	23	15.30	Dutch	Holland-American Line	472.6	61.1	25.6	Rotterdam, Holland	Vancouver, B. C.	General	8,298	9,165	7,056
King [9]	23	5.50	23	7.25	23	15.33	25	10.37	American	U. S. Navy	310.0	31.0		Guantanamo, Cuba	Corinto, Nicaragua				
Bainbridge [9]	23	5.50	23	7.25	23	15.33	25	10.37	American	U. S. Navy	310.0	31.0		Guantanamo, Cuba	Corinto, Nicaragua				
Delaware [1]	22	16.05	23	7.25	23	15.43	23	17.30	American	Anglo-American Oil Co.	345.0	44.3	21.4	Manchester, Eng.	San Francisco, Cal.	Ballast		3,968	2,512
San Teodoro [1]	22	16.39	23	7.24	23	16.14	23	17.20	British	Anglo-Mexican Pet. Co.	412.0	53.4	21.11	London, England	Los Angeles, Calif.	Ballast		6,006	4,200
Mani'a Maru	22	16.59	23	7.55	23	17.06	23	18.09	Japanese	Osaka Shosen Kaisha	475.0	61.0	19.5	Buenos Aires, Arg.	Yokohama, Japan	(10)		1,107	10,075	7,292
Floridian	22	17.45	23	8.55	23	17.48	23	19.05	American	Amer.-Hawaiian Line	429.0	53.6	23.11	Boston, Mass.	Seattle, Wash.	General	5,039	7,273	5,105
Bowes Castle	22	20.41	23	9.35	23	17.45	23	19.05	British	James Chambers & Co.	418.0	56.0	25.1	New York, N. Y.	Shanghai, China	General	6,657	6,675	4,698
Ameteo [1]	22	23.55	23	10.18	23	18.22	24	7.40	Belgian	American Petrol Co.	464.7	60.2	18.0	Liverpool, England	San Francisco, Cal.	Ballast		8,583	6,362
Swiftwind [1]	23	2.00	23	11.00	23	19.13	23	20.35	American	C. D. Mallory & Co.	464.0	60.2	18.0	Fall River, Mass.	Los Angeles, Calif.	Ballast		8,473	5,997
Urubamba	18	20.20	23	11.13	23	20.15	23	21.20	Peruvian	Peruvian Line	381.2	46.1	19.0	Cristobal, C. Z.	Callao, Peru	General	359	4,803	2,951
Dryden	23	5.15	23	12.10	23	20.56	24	2.40	American	Tampa Interocean Co.	434.0	57.6	18.6	New Orleans, La.	Kobe, Japan	General	4,487	7,983	5,882
Unden	23	5.40	23	13.05	23	21.45	23	23.06	Swedish	General S. S. Corp.	365.0	51.6	12.9	Newport News, Va.	San Francisco, Cal.	Ballast		5,336	3,708

[1] Tanker. [9] Destroyer. [10] Quebracho, hoofs, tankage, etc.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

San Roberto [1]	16	20.35	17	6.13	17	13.30	17	16.44	British	Anglo-Saxon Pet. Co.	497.1	52.2	25.5	San Francisco, Cal.	Lizard Head, Eng.	Gasoline	7,301	6,239	4,350
Calcutta Maru	16	10.56	17	7.09	17	14.40	17	19.00	Japanese	Nippon Yusen Kaisha	400.0	54.05	17.6	Kobe, Japan	New York, N. Y.	Sugar, general	6,219	5,790	4,178
Sir James Clark Ross	16	16.20	17	8.15	17	15.10	17	15.18	Norwegian	Rasmussen & Konou	470.2	58.4	25.0	Stewart Island, N.Z.	New York, N. Y.	Whale oil	5,800	9,094	6,155
Swiftscout [1]	17	19.50	17	11.44	17	19.25	17	19.25	American	C. D. Mallory & Co.	464.65	69.2	27.9	Los Angeles, Calif.	Fall River, Mass.	Crude oil	11,256	8,473	6,104
Pacific Commerce [3]	16	21.50	17	11.55	17	20.15	17	20.15	British	Furness, Withy & Co.	420.0	54.0	25.0	Vancouver, B. C.	London, England	General	7,753	6,996	5,306
Kellerwald	17	00.45	17	13.25	17	21.50	18	21.00	German	Hamburg-American Line	399.43	51.22	26.0	Valparaiso, Chile	Hamburg, Germany	General	7,906	6,545	4,483
Francis E. Powell [1]	18	00.45	18	6.10	18	13.38	18	13.38	American	Atlantic Refining Co.	431.0	59.2	26.0	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	9,616	7,680	5,101
Melville Dollar	17	16.20	18	7.06	18	14.40	18	14.40	American	Dollar Line	429.0	55.2	27.0	Seattle, Wash.	New York, N. Y.	Lumber, general	8,522	7,581	5,519
J. A. Moffett, Jr. [1]	17	21.40	18	8.20	18	16.35	18	16.35	American	Standard Oil Co. of N.J.	499.2	63.1	30.0	Los Angeles, Calif.	Montreal, Canada	Crude oil	15,834	11,037	7,995
W. S. Miller [1]	18	3.45	18	8.35	18	18.45	19	13.45	American	Standard Oil Co. of Calif.	435.0	56.0	29.6	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	10,814	7,470	5,144
Holland [11]	15		18	9.24	18	17.00			American	U. S. Navy	469.0	61.1	22.6	High seas	Cristobal, C. Z.				
S-7 [12]	15		18	9.26	18	18.50			American	U. S. Navy	231.0	21.10		High seas	Cristobal, C. Z.				
S-8 [12]	15		18	9.26	18	18.50			American	U. S. Navy	231.0	21.10		High seas	Cristobal, C. Z.				
S-6 [12]	15		18	9.35	18	18.10			American	U. S. Navy	231.0	21.10		High seas	Cristobal, C. Z.				
S-9 [12]	15		18	9.35	18	18.10			American	U. S. Navy	231.0	21.10		High seas	Cristobal, C. Z.				
S-4 [12]	15		18	10.07	18	18.10			American	U. S. Navy	231.0	21.10		High seas	Cristobal, C. Z.				
Sciota [2]			18	8.39	18	17.10	22	6.15	American	U. S. Navy	155.0	30.0		High seas	Cristobal, C. Z.	Towing barge			
Urubamba	18	9.40	18	12.22	18	20.20	23	11.10	Peruvian	Peruvian Line	381.2	46.1	21.0	Callao, Peru	Cristobal, C. Z.	General	1,647	4,803	2,951
Orleans	18	11.10	18	12.12	18	19.55	18	19.55	American	Quaker Line	395.5	55.0	26.8	Portland, Oreg.	Philadelphia, Pa.	Lumber	9,018	7,330	5,233
Marore	18	13.15	18	15.56	19	12.47	19	12.47	American	Ore S. S. Corp.	550.3	72.2	35.6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	15,551	4,297
San Ugon [1]	18	20.00	19	5.58	19	13.15	19	18.40	British	Anglo-Saxon Pet. Co.	413.0	53.4	23.8	Los Angeles, Calif.	United Kingdom	Gasoline	7,403	5,976	4,069
Brazos [5]	19	1.00	19	6.44	19	14.33	21	7.10	American	U. S. Navy	476.0	56.0	26.7	Los Angeles, Calif.	New York, N. Y.	Gasoline, fuel oil	8,000		
Point Lobos	18	20.15	19	7.30	19	15.10	19	15.10	American	Swayne & Hoyt	289.0	44.15	18.0	Vancouver, B. C.	New Orleans, La.	General	2,737	2,899	1,946
Sugillenco	18	21.45	19	7.35	19	15.10	19	15.10	American	Transmarine Lines	324.0	46.2	23.8	Portland, Oreg.	New York, N. Y.	Lumber	3,500	3,984	2,612

[1] Tanker. [11] Submarine tender. [12] Submarine.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Venezuela	19	1 30	19	8 15	19	15 46	21	2 15	Italian	Navigazione Generale Italiana.	420.0	51.6	21.5	Valparaiso, Chile	Genoa, Italy	Copper, ivory nuts	1,048	7,622	5,051
Sapelo [1]	19	7 11	19	8 53	19	17 16	20	21 00	American	U. S. Navy	477.10	60.0	30.4	Los Angeles, Calif	New York, N. Y.	([19])	11,223	.....	.....
S. C. T. Dodd [1]	19	7 50	19	9 11	19	18 15	19	18 15	American	Standard Oil Co. of Calif.	425.0	57.2	28.6	Los Angeles, Calif	Baltimore, Md	Fuel oil	10,000	7,481	4,975
Iowan	19	8 00	19	9 26	19	17 25	19	17 25	American	Amer.-Hawaiian Line	407.7	53.7	23.0	Seattle, Wash	Boston, Mass	General mdse	5,457	7,091	5,002
Dos Hermanos [13]	19	8 30	19	9.19	19	17 35	20	8 30	Panaman	R. Neuman	49.0	12.0	6.0	San Miguel, R. P.	Cristobal, C. Z	Bananas	10	17	13
Wilhilo	19	2 30	19	9 47	19	19 20	19	19 20	American	Williams S. S. Line	435.0	57.6	27.0	Seattle, Wash	Philadelphia, Pa.	Lumber, general.	8,369	7,983	5,882
Detroit [14]	19	9 30	19	10 25	19	18 50	20	3 05	American	U. S. Navy	555.0	55.0	18.8	Corinto, Nicaragua	High seas	.....	....	....	.....
Robert E. Hopkins [1]	19	13.15	19	14 43	19	22 25	19	22 25	American	Tidewater Oil Co.	424.4	58.2	27.6	Los Angeles, Calif	New York, N. Y.	Crude oil	10,910	7,333	5,182
Franklin K. Lane [1]	19	13 05	20	6 00	20	13 42	20	13 42	American	Huasteca Petroleum Co.	435.0	56.2	26.0	Los Angeles, Calif	Baltimore, Md	Gasoline	9,720	7,405	5,131
Mongolia	19	12 08	20	7 13	20	14 28	20	14 53	American	Panama-Pacific Line	600.0	60.0	31.0	San Francisco, Cal.	New York, N. Y.	([20])	4,942	17,041	11,426
Camden [1]	19	19 45	20	8 14	20	17 10	20	19 26	American	United Fruit Co	419.5	56.5	26.3	Los Angeles, Calif	Tela, Honduras	Fuel oil	9,146	6,977	4,959
El Lobo [1]	19	20 30	20	9 06	20	18 05	20	19 20	British	C. T. Bowring	385.0	51.0	24.0	La Libertad, Ecu'or	Halifax, N. S.	Crude oil	6,158	4,851	3,311
Floreana [13]	19	12 30	20	10 33	21	11 00	..	..	Ecuadorian	Colombian Transp. Co.	159.0	27.2	11.0	Buenaventura, Col.	Buenaventura, Col.	Coffee, hides	518	410	307
Atrato [15]	19	12 30	20	10 33	20	20 10	24	7 26	Colombian.	Colombian Transp. Co	94.2	24.0	4.0	Buenaventura, Col.	Cristobal, C. Z	Coffee	130	160	92
Seekonk [15]	20	10 45	20	11 31	20	18 30	20	20 25	American	Amer. Ship. & Com. Co.	390.0	54.0	27.0	Seattle, Wash	Hamburg, Germany	General	7,464	6,162	4,417
Corvus	20	11 25	20	12 14	20	19 50	20	19 50	American	Planet Line	410.5½	54.2	24.6	Vancouver, B. C.	Boston, Mass	Lumber	7,027	6,604	4,655
Canadian Winner	20	14 15	20	14 57	20	22 15	20	23 55	British	Can. Gov. Mer. Marine	399.8	52.28	25.4	Vancouver, B. C.	Montreal, Canada	Lumber, general.	6,455	5,885	4,073
Baldbutte [1]	20	18 30	21	6 11	21	15 47	21	15 47	American	McAlister Bros. (S.B.).	416.9	56.2	27.0	Los Angeles, Calif	Galveston, Texas	Fuel oil	8,641	6,700	4,693
Teno	21	2 14	21	7 23	21	15 10	21	20 10	Chilean.	South American Line	422.8	56.2	27.6	Valparaiso, Chile	New York, N. Y.	General	5,145½	7,758	4,672
No. 305 [16]	19	8 00	21	7 59	21	16 00	22	8 30	American	U. S. Navy	315.0	33.0	10.0	San Diego, Calif.	New York, N. Y.	.....	....	....	.....
Mussomo	20	23 15	21	8 09	21	16 20	21	19 10	American	Munson, McCor'k Line.	327.2	46.2	20.11	Seattle, Wash	New York, N. Y.	General, lumber	3,800	3,750	2,728
Benalder	20	22 47	21	8 38	21	17 15	21	19 05	British	Ben Line, Ltd	420.0	52.0	23.5	Portland, Oreg	Leith, Scotland	([21])	3,333	5,419	3,990
Hampton Roads [1]	21	6 50	21	9 14	21	18 50	23	6 10	American	Oil Transport Co	431.0	59.2	27.10	Los Angeles, Calif.	Cristobal, C. Z	Fuel oil	10,076	8,095	5,541
Knoxville City	21	5 30	21	9 33	21	18 30	22	8 00	American	Isthmian S. S. Lines	424.2	56.2	26.2	Vancouver, B. C.	Avonmouth, Eng	General	8,158	7,611	5,450
Maj. D. D. Pulleu [17]	..	..	21	6 41	21	..	..	..	American	U. S. Army	....	....	....	Balboa, C. Z	Cristobal, C. Z	.....	....	....	.....
Santa Cruz	21	3 45	21	10 28	21	18 45	22	00 20	American	Grace Line	384.0	50.2	22.0	Tocopilla, Chile	New York, N. Y.	([22])	4,220	5,534	3,868
Ecuador	21	13 46	22	6 18	22	13 30	23	20 45	American	Panama Mail S. S. Co.	380.6	48.7	26.0	San Francisco, Cal.	New York, N. Y.	General	1,551	5,926	4,178
Horace Luckenbach	22	2 00	22	7 15	22	14 50	22	14 50	American	Luckenbach Line	445.0	58.0	26.0	Portland, Oreg	Boston, Mass	General	8,227	8,699	6,363
Rio Chira [18]	21	7 55	22	7 26	22	14 40	22	14 40	Peruvian	Cia Ballenera del Peru.	106.8	21.6	13.0	Callao, Peru	New Orleans, La.	Ballast	....	214	168
Rio Piura [18]	21	7 55	22	7 26	22	14 40	22	14 40	Peruvian	Cia Ballenera del Peru.	106.4	21.1	..	Callao, Peru	New Orleans, La.	Ballast	....	188	143
Feltore	22	5 00	22	8 10	22	16 20	22	16 20	American	Ore S. S. Corp	449.1	57.2	29.6	Cruz Grande, Chile.	Baltimore, Md	Iron ore	11,000	7,808	5,139
Port Albany	22	1 20	22	9 15	22	16 50	23	6 05	British	Com'lth & Dom. Line	426.3	54.15	21.10	N. Plymouth, N.Z.	London, England	General	4,460	7,506	5,261
Ontariolite [1] [15]	22	5 00	22	10 09	22	18 35	22	20 25	British	Imperial Oil Co., Ltd.	470.0	63.0	28.7	Cabo Blanco, Peru.	Montreal, Canada	Crude oil	12,432	9,191	6,051

[1] Tanker. [13] Motor schooner. [14] Cruiser. [15] Motor ship. [16] Destroyer. [17] Launch. [18] Whaler. [19] Fuel, gasoline, and lubricating oil. [20] Canned fruits, cotton, automobiles, beans, and shingles.

[21] Lumber, wheat, and concentrates. [22] Nitrates, copper bars, cocoa, coffee, ivory nuts, and general.

Yone Maru	22	10.35	22	12.37	22	21.35	23	2.20	Japanese	Kokusai Kisen Kaisha	425.0	53.67	28.3	Antofagasta, Chile	Alexandria, Egypt	Nitrate	9,900	6,823	5,186
Ario [1]	22	10.00	22	13.10	22	21.55	22	21.55	American	Standard Transp. Co.	435.6	56.2	26.10	Los Angeles, Calif	New York, N. Y.	Gas oil	10,000	7,386	5,117
O-6 [23]	22	13.05	22	14.10	22	23.05			American	U. S. Navy				High seas	Cristobal, C. Z.				
O-8 [23]	22	13.05	22	14.10	22	23.05			American	U. S. Navy				High seas	Cristobal, C. Z.				
O-7 [23]	22	13.35	22	14.13	22	23.05			American	U. S. Navy				High seas	Cristobal, C. Z.				
O-9 [23]	22	13.35	22	14.13	22	23.05			American	U. S. Navy				High seas	Cristobal, C. Z.				
Nordpol	22	14.45	23	6.05	23	15.25	23	15.25	Danish	Dupont Powder Co.	380.0	53.9	27.5	Caleta Colosa, Chile	Wilmington, N. C.	Nitrates	8,695		
Iowa	23	1.20	23	7.32	23	17.18	25	2.35	French	French Line	450.0	53.0	27.5	Valparaiso, Chile	Havre, France	General	9,452	7,469	5,020
Canon [24]	21	16.15	23	6.55	23	15.30	23	16.25	Peruvian	Cia Ballenera del Peru	107.2	20.5	13.0	Callao, Peru	Tonsberg, Norway	Ballast		176	50
Arpon [24]	21	16.15	23	6.55	23	15.30	23	16.25	Peruvian	Cia Ballenera del Peru	106.7	20.1	11.6	Callao, Peru	Tonsberg, Norway	Ballast		171	43
Tilthorn	23	4.45	23	8.06	23	17.45	23	18.20	Norwegian	Wessel, Duval & Co.	420.2	53.8	28.4	Tocopilla, Chile	Pensacola, Fla.	Nitrate of soda	10,292	6,591	4,730
Canadian Constructor	23	7.00	23	8.38	23	17.20	24	00.45	British	Can. Gov. Mer. Marine	430.0	56.0	17.6	Adelaide, Australia	Montreal, Canada	General	1,707	7,680	5,494
Palm Branch	23	6.15	23	9.00	23	18.30	23	19.20	British	F. & W. Ritson	360.0	45.0	24.0	Valparaiso, Chile	Antwerp, Belgium	General	4,617	4,195	3,088
Salvador	23	9.45	23	10.21	23	18.25			British	Pacific Steam Nav. Co.	215.0	33.5	16.8	Champerico, Guat	Cristobal, C. Z.	Coffee, hides	1,030	1,270	735
Chickasaw City	23	9.45	23	10.40	23	19.05	23	19.05	American	Isthmian S. S. Lines	395.0	55.0	25.0	Everett, Wash.	Baltimore, Md.	Lumber	7,045	7,322	5,237
Rio Ica [24]	22	7.00	23	11.18	23	19.05	23	21.10	Peruvian	Cia Ballenera del Peru	106.5	20.0	9.0	Callao, Peru	Tonsberg, Norway	Ballast		173	135
Rio Sama [24]	22	7.00	23	11.20	23	19.05	23	21.10	Peruvian	Cia Ballenera del Peru	100.0	20.1	10.0	Callao, Peru	Tonsberg, Norway	Ballast		135	96
Swan [25]			23	11.52	23	22.15			American	U. S. Navy	187.10	35.6		Balboa, C. Z.	Cristobal, C. Z.	(26)			
Samuel Q. Brown [1]	23	9.08	23	13.04	23	21.30	23	21.30	American	Tidewater Oil Co.	424.4	58.2	28.1	Los Angeles, Calif	New York, N. Y.	Crude oil	10,700	7,333	5,183
Hassel	23	12.30	23	13.52	23	23.20	23	23.20	Norwegian	Odfjell Brothers	340.1	47.1	24.11	Antofagasta, Chile	Norfolk, Va.	Nitrates	6,100	4,232	3,067
Fishpool	23	13.30	23	14.39	23	23.35	23	23.35	British	Sir. R. Ropner & Co.	379.0	56.0	22.9	Vancouver, B. C.	United Kingdom	Wheat	7,150	5,497	4,180

[1] Tanker. [23] Submarine. [24] Whaling tug. [25] Auxiliary mine sweeper. [26] Towing barge *No. 2*. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
April 17	Willet [27]	Merritt, Chapman & Scott	Old Providence, Colombia.	April 17	Willet [27]	Merritt, Chapman & Scott	Old Providence, Colombia.
April 17	Else Hugo Stinnes	Hamburg-American Line	Hamburg via wayports.	April 17	Ulua	United Fruit Co	New York via Habana.
April 17	Bushnell [28]	U. S. Navy	Guantanamo, Cuba.	April 17	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
April 17	Ulua	United Fruit Co	Port Limon, Costa Rica.	April 18	Else Hugo Stinnes	Hamburg-American Line	Port Limon, Costa Rica.
April 17	Arnold Maersk	U. S. Steel Products Co	New York via wayports	April 18	St. Mihiel [30]	U. S. Army	New York via San Juan.
April 18	Toloa	United Fruit Co	New York via Habana.	April 18	Cartago	United Fruit Co	New Orleans via wayports
April 19	La Perla	United Fruit Co	Boston via wayports.	April 19	Arnold Maersk	U. S. Steel Products Co	Cienfuegos, Cuba.
April 20	Santa Marta	United Fruit Co	New York via Kingston.	April 20	Inapaquina [29]	United Fruit Co	Colon, R. P.
April 20	Suriname	United Fruit Co	Bocas del Toro, R. P.	April 20	Nellie Moulton [29]	Surgeon Brothers	Bluefields via wayports.
April 20	Else Hugo Stinnes	Hamburg-American Line	Port Limon, Costa Rica.	April 20	Suriname	United Fruit Co	New Orleans, La.
April 20	Saramacca	United Fruit Co	New Orleans, La.	April 20	Toloa	United Fruit Co	Port Limon, Costa Rica.
April 20	Nellie Moulton [29]	Surgeon Brothers	Colon, R. P.	April 20	La Perla	United Fruit Co	Boston via wayports.
April 20	Inapaquina [29]	United Fruit Co	Colon, R. P.	April 21	Santa Marta	United Fruit Co	Colombian ports.
April 21	Granada	Standard Fruit S. S. Co	New Orleans, La.	April 21	Carrillo	United Fruit Co	New York via Kingston.
April 21	Virginia	Standard Fruit S. S. Co	New York, N. Y.	April 21	Simon Bolivar	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
April 21	Carrillo	United Fruit Co	Colombian ports.	April 21	Else Hugo Stinnes	Hamburg-American Line	Hamburg via wayports.
April 21	Simon Bolivar	Royal Netherlands W. I. Mail	Amsterdam via wayports.	April 21	Granada	Standard Fruit S. S. Co	New York via Kingston.

[27] Tug. [28] Submarine tender. [29] Motor schooner. [30] Transport. * Other than ships passing through the Canal.

(Continued on page 512, column 2.)

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity.. .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to origina point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage in such cases, as provided in Paragraph 4, Item 3, of the tariff, and for handling lines in accordance with Item 4, of the tariff.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, bunker ships at the rate of from 100 to 500 tons an hour, practically as fast as the nature of the vessel will allow. Oil can be delivered from 30 tanks aggregating approximately 1,500,000 barrels of storage capacity, as fast as the ships can take it. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A salvage service operated by the Canal is available for prompt assistance to vessels within a radius of a thousand miles of the Canal, or farther if required. Seagoing tugs or a wrecking tug with requisite equipment are dispatched on short notice.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective, in the course of handling large traffic through the Canal in nearly 10 years of operation.

Binders for The Panama Canal Record.

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

MOVEMENTS OF OCEAN VESSELS.—Continued from page 511.

PORT OF CRISTOBAL.—continued.

Date	Vessel.	Line	From—	Date	Vessel.	Line.	For
	* ARRIVALS.			* DEPARTURES.			
April 21	Simon	Lykland Line	Liverpool via seaports	April 21	Strathmore	United Fruit Co	Port Limon via Boca
April 22	Lapidoso	Lykes Line	Havre via seaports	April 21	Virginia	Standard Fruit S. S. Co.	San Blas coast, R. P.
April 23	Mayari	United Fruit Co	Puerto Colombia	April 22	Ninian	Leyland Line	Chiriquegos via Pt. Limon.
April 23	Virginia	Standard Fruit S. S. Co	San Blas coast, R. P.	April 23	Boschwell	U. S. Navy	High seas.
April 23	Orcadian	Lord Mason Co	New York via San Juan	April 23	Sakari	United Fruit Co	New York via Kingston.
April 23	Aeolus	U. S. Navy	Cuba	April 23	Virginia	Standard Fruit S. S. Co.	New Orleans, La.
April 23	Seven Bishops	Round Scotland and W. I. Mail	Port Limon, Costa Rica				
April 23	Parthenia	United Fruit Co	New Orleans, La.				
	* Submarine tender.			PORT OF BALBOA.			
April 17	Argus II *	Panama Dred Co	Panama Bay, R. P.	April 17	Nora	Grace Line	Los Angeles, Calif.
April 18	Rodrigo Mata	Nicaro Yuc Rocks	Colombia, Chile	April 17	Lones II *	Pacific Fruit Co	Panama Bay, R. P.
April 19	Parthenia	Mrs. L. G. Sulkey	Panama Bay, R. P.	April 19	Rodrigo Mata	Nanyon Yugen Kaisha	Hongkong, China.
April 20	Argus I *	Panama Dred Co	Panama Bay, R. P.	April 19	Parthenia *	Mrs. L. G. Sulkey	Panama Bay, R. P.

* Motor schooner. * Yacht.

* Other than ships passing through the Canal.

THE PANAMA CANAL RECORD

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., May 4, 1927. No. 39.

Canal Traffic During April.

During the month of April, 1927, 464 commercial vessels and 15 small launches transited the Canal. Tolls on the commercial vessels aggregated $2,065,206.92, and on the launches $119.29, or a total tolls collection of $2,065,326.21.

The daily average number of transits of seagoing vessels for the month was 15.46, and the daily average tolls collection $68,840.23. The average amount of tolls paid by each of the commercial transits was $4,450.88, as compared with $4,471.60 for the month of March, 1927.

In the following tabulation the number of commercial transits and the amount of tolls collected are shown for the first 10 months of the current fiscal year, with the daily average of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
July	456	$1,980,719.67	14.71	$63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
January, 1927	443	1,984,760.71	14.29	64,024.54
February	449	1,994,860.82	16.03	71,245.03
March	496	2,217,913.20	16.00	71,545.59
April	464	2,065,206.92	15.46	68,840.23
Totals	45.49	20,192,381.41	14.93	66,422.31

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Ship's Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, April 30, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
New Mexico [2]	23	23 10	24	6 00	24	14.14	26	19.25	American	U. S. Navy	600.0	97.0	31.8	Guantanamo, Cuba	Bremerton, Wash.	.....	.....	.....	.....
Taiyu Maru	23	20 55	24	7.20	24	15.08	24	16.45	Japanese	Hinode Kisen Kaisha	439.4	51.4	26.0	Port Arthur, Texas	Tokio, Japan	Kerosene, grease.	6,875	6,350	4,671
Atrato [3]	20	20 10	24	7 26	24	16.13	25	21 15	Colombian	Colombian Transp. Co.	94.2	24.0	9.0	Cristobal, C. Z.	Buenaventura, Col.	General	150	160	92
Odenwald [4]	24	2 40	24	8.55	24	16.17	24	20.25	German	Hamburg-American Line	399 6	54.3	25.0	Hamburg, Germany	Portland, Oreg.	General	7,409	6,808	4,979
Persian Prince	24	5.25	24	9.55	24	17.21	24	18.30	British	Andrew Weir & Co.	435.0	53.0	26.10	Galveston, Texas	Wanganui, N. Z.	Sulphur	7,450	5,842	4,061
Silksworth	24	8.30	24	11.12	24	18.30	24	23.58	British	Dalgliesh S. S. Co.	415.0	53.3	23.3	Galveston, Texas	Shanghai, China	Cotton	4,300	6,530	4,623
Dieto	24	11.59	24	12 20	24	20.05	24	21.35	Norwegian	B. Stolt Nielsen & Co.	341.0	48.0	21.0	Norfolk, Va	Santa Rosalia, Mex.	Coal	4,084	4,369	3,180
Gedania [5]	24	20 00	25	6.30	25	14.58	25	16 15	Danzig	Standard Oil Co.	500.0	64.0	21.0	New York, N. Y.	Talara, Peru	Ballast	.....	10,596	8,085
Eastern Knight	25	5 20	25	7.40	25	15 47	25	16.50	American	Quaker Line	415.1	55.7	22.4	Philadelphia, Pa.	Portland, Oreg.	General	6,200	7,643	5,657
Port Hardy	25	6 20	25	11.00	25	18 20	26	1.00	British	Com'lth & Dom. Line	481.2	62.3	27.9	London, England	N. Plymouth, N.Z.	General	5,842	11,272	8,388
Cambrai [5]	25	21 40	26	6 35	26	13.24	27	14.05	American	U. S. Army	436.9	58.2	24.0	Brooklyn, N. Y.	San Francisco, Cal.	General	486	.....	.....
Felix Taussig	25	16 55	26	6.15	26	14 26	26	20.50	American	Isthmian S. S. Lines	395.0	55.0	28.0	New York, N. Y.	Vancouver, B. C.	General	8,238	7,056	4,964
Suremico	25	18 20	26	7.12	26	16.01	26	17.20	American	Transmarine Lines	324.0	46.0	23.5	Newark, N. J.	San Francisco, Cal.	Steel, general	3,138	3,984	2,628
K. I. Luckenbach	25	19.15	26	7.40	26	14.52	26	15.50	American	Luckenbach Line	466.0	56.0	25 0	New Orleans, La.	Seattle, Wash.	General	6,191	8,552	6,236
La Brea [1]	26	5.10	26	8 00	26	16.05	26	17.20	American	Atlantic Refining Co.	435.0	56.2	18.3	Philadelphia, Pa.	Los Angeles, Calif.	Ballast	.....	7,150	4,765
Oyleric [1]	26	9.12	26	9.45	26	17.05	26	22.52	British	Anglo-American Oil Co.	420.0	54.0	19.0	Ellesmere Port, Eng	Los Angeles, Calif.	Ballast	.....	6,397	4,346
Northwestern Miller	26	9 15	26	11.00	26	17.44	26	23.50	British	Furness Line	417.8	53.0	18.8	Glasgow, England	Vancouver, B. C.	General	1,891	7,074	5,052
Shreveport [1]	26	9 38	26	11.45	26	18.38	27	00.28	American	Cities Service Corp.	435.0	56.0	16.0	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	7,411	5,109
Venezuela	25	14 20	27	6.05	27	13.02	27	23.02	American	Panama Mail S. S. Co.	380.0	48.7	23.0	New York, N. Y.	San Francisco, Cal.	General	2,179	6,033	4,353
Silveray [4]	26	15 10	27	6.25	27	13.52	27	15.00	British	Kerr S. S. Co.	395.0	57.0	18.6	Philadelphia, Pa.	San Francisco, Cal.	Ballast	.....	7,650	5,925
Rica	26	15 45	17	7 15	27	14.43	27	19 20	Norwegian	So. Pacific Trading Co.	400.0	53.0	13.0	Oran, Africa	Los Angeles, Calif.	Ballast	.....	6,392	4,606
Helen Olmsted [1]	26	16 35	27	8 30	27	15 52	27	16 50	American	California Pet. Co.	425.8	57.0	19.6	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	7,484	5,216
Dakotan	27	00 05	27	9.50	27	16.54	27	17.55	American	Amer.-Hawaiian Line	407.7	53.7	23.0	Boston, Mass.	Los Angeles, Calif.	General	5,508	7,156	5,058
Edward Luckenbach	27	7.20	27	11.00	27	17.40	27	18 29	American	Luckenbach Line	436.0	57.0	26.2	Boston, Mass.	Los Angeles, Calif.	General	7,229	8,543	6,427
Svealand [1]	27	10 45	27	11.12	27	18 11	28	00.30	Swedish	Ore S. S. Corp.	561.1	72.2	22.0	Baltimore, Md	Cruz Grande, Chile	Ballast	.....	15,425	4,421
F. H. Hillman [1]	27	10 50	27	12.10	27	19.25	27	23.48	American	Anglo-Amer. Oil Co.	500.0	68.2	18.6	London, England	Los Angeles, Calif.	Ballast	.....	11,225	7,913
Ansgir	26	6 15	27	13 55	27	21.37	28	2 28	German	North German Lloyd	393.0	54.1	26.0	Hamburg, Germany	San Antonio, Chile	General	7,307	6,542	4,532
Dos Hermanos [3]	26	22.40	27	9 10	27	16 58	27	18.00	Panaman	Isth. Land & Fruit Co.	35.0	12.0	....	Cristobal, C. Z	Panama, R. P.	Ballast	.....	17	13
Orduna	27	14 00	28	6.13	28	13 22	28	20 04	British	Pacific Steam Nav. Co.	550.3	67.3	31.2	Liverpool, England	Valparaiso, Chile	General	3,868	17,143	12,011
Salvador	23	18 25	28	6 25	28	14.43	28	15.43	British	Pacific Steam Nav. Co.	215.0	33.5	16.6	Cristobal, C. Z	Champerico, Guat	General	1,117	1,270	735
No. 327 [6]	27	22 45	28	6 20	28	12.06	28	13.00	American	U. S. Navy	310.0	30.11	11.10	Pto. Cabezas, Nic.	Corinto, Nicaragua	.....	.....	.....	.....
R. W. Stewart [1]	26	17.30	28	7 07	28	14.50	28	15.50	American	Huasteca Petroleum Co.	467.6	62.7	17.0	Cristobal, C. Z	Los Angeles, Calif	Ballast	.....	9,363	6,874
Manchuria	28	7.05	28	7.45	28	14 18	28	22.42	American	Panama-Pacific Line	600 0	63.5	26.0	New York, N. Y.	San Francisco, Cal.	(7)	2,440	17,046	11,488
Sylvan Arrow [1]	27	14.30	28	8.30	28	15.50	28	21.42	American	Standard Oil Co.	467.6	62.7	18.0	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	9,698	6,862
Emile Deutsch de la Meurthe [1]	27	15.20	28	8 45	28	16.43	28	22.32	British	Anglo-Saxon Pet. Co.	412.0	53.0	18.0	Glasgow, England	Los Angeles, Calif	Ballast	.....	6,203	4,441

[1] Tanker. [2] Battleship. [3] Motor schooner. [4] Motor ship. [5] Transport. [6] Destroyer. [7] Machinery, candy, and drugs.

San Nazario [1]	27	20.15	28	9.45	28	17.07	28	18.25	British	Anglo-Mexican Pet. Co.	525.0	66.0	22.0	Rio de Janeiro, Br.	Los Angeles, Calif.	Ballast		12,158	8,463
Sidney M. Hauptman	27	20.30	28	10.07	28	17.57	28	19.21	American	Munson S. S. Line	401.0	53.2	23.3	New York, N. Y.	Los Angeles, Calif.	General, steel	6,205	7,082	5,167
W. L. Steed [1]	28	4.30	28	10.50	28	18.51	28	20.04	American	Huasteca Petroleum Co.	416.8	56.1	20.0	Baltimore, Md.	Los Angeles, Calif.	Ballast		6,751	4,795
Pensylvanie	26	9.05	28	11.58	28	22.39	28	23.59	French	French Line	400.0	52.0	15.3	Havre, France	Valparaiso, Chile	General	1,351	5,964	4,384
Sumanco	28	6.42	28	13.05	28	20.44	28	22.09	American	Transmarine Lines	324.0	46.0	20.0	New Orleans, La.	San Francisco, Cal.	General	2,796	3,984	2,628
Ramapo [2]	28	14.40	29	6.08	29	16.10	30	10.34	American	U. S. Navy	461.6	60.0	22.0	Guantanamo, Cuba	Mare Island, Calif.	General, oil	1,510		
Argonne [8]	23	12.18	29	6.10					American	U. S. Navy	436.0	58.0	24.3	High seas	Balboa, C. Z. [10]				
K. R. Kingsbury [1]	29	6.43	29	7.25	29	14.02	29	18.28	American	Standard Oil Co.	440.0	58.0	24.0	Baltimore, Md.	Los Angeles, Calif.	Ballast		9,033	5,938
Holland [8]	18	17.00	29	7.45					American	U. S. Navy	460.0	6.10	22.1	Cristobal, C. Z.	Balboa, C. Z. [10]				
Commercial Pioneer	24	6.25	29	8.42	29	16.54	29	19.16	American	Panama R. R. S. S. Line	253.4	43.8	21.7	New York, N. Y.	Guayaquil, Ecuador	General	3,261	2,915	2,005
Solana [1]	29	8.35	29	8.45	29	15.15	29	16.30	American	Tidewater Oil Co.	419.5	56.3	20.0	New York, N. Y.	San Francisco, Cal.	Ballast		7,060	5,025
Camden [1]	29	7.32	29	10.00	29	17.39	30	6.00	American	United Fruit Co.	419.5	56.5	19.0	Tela, Honduras	Los Angeles, Calif.	Ballast		6,977	4,959
Garfield	29	7.05	29	10.30	29	18.32	29	19.16	American	N. O. & S. A. S. S. Line	299.4	45.0	20.8	New Orleans, La.	Talcahuano, Chile	General	2,445	3,256	2,010
Essequibo	28	22.03	29	11.00	29	19.27	29	20.50	British	Pacific Steam Nav. Co.	450.0	57.0	24.10	New York, N. Y.	Talcahuano, Chile	General	3,334½	9,158	6,176
Pacific Fir	29	12.52	29	13.05	29	20.13	29	21.40	American	Ocean Transport Co.	410.0	54.0	17.0	Philadelphia, Pa.	Seattle, Wash.	General	1,041	6,622	4,882
Point Fermin	29	12.48	29	13.56	29	21.50	30	00.48	American	Swayne & Hoyt	324.0	46.0	22.6	New Orleans, La.	San Francisco, Cal.	General	3,340	3,984	2,617
S-44 [9]			29	11.05					American	U. S. Navy	225.0	28.0		Cristobal, C. Z.	Balboa, C. Z.				
Alda	28	15.25	30	6.20	30	13.57	30	15.15	German	Hamburg-American Line	359.4	51.0	19.3	Bremen, Germany	Champerico, Guat.	General	2,397	4,791	3,392
Bethore	29	3.55	30	6.15	30	14.40	30	16.05	American	Ore S. S. Corp.	550.3	72.2	25.0	Norfolk, Va.	Cruz Grande, Chile	Ballast		15,476	4,354
Neptunian	29	11.05	30	7.30	30	15.36	30	18.49	British	Canadian Transp. Co.	400.3	55.0	12.6	Newcastle-on-Tyne	Los Angeles, Calif.	Ballast		7,257	5,458
Port Pirie	29	15.10	30	7.30	30	16.29	30	17.35	British	Com'lth & Dom. Line	485.0	58.0	23.0	New York, N. Y.	Brisbane, Australia	General	1,569	9,381	6,915
Thomas P. Beal	29	15.25	30	8.30	30	16.50	30	18.00	American	U. S. & A. Lines	394.0	55.0	26.2	New York, N. Y.	Adelaide, Australia	General, steel	5,567	7,047	5,100
Lubrico [1]	29	16.55	30	8.40	30	17.20	30	18.28	American	Standard Oil Co.	425.0	57.2	18.0	Baltimore, Md.	San Francisco, Cal.	Ballast		7,227	4,827
El Panquiaco [5]	30	9.30	30	9.30	30	16.50			Panaman	Panaman Government	125.0	23.0		Cristobal, C. Z.	Panama, R. P.				
Charles G. Black [1]	30	3.00	30	10.15	30	17.45	30	18.49	American	Standard Oil Co.	550.3	72.2	26.0	New York, N. Y.	Los Angeles, Calif.	Ballast		15,418	10,613
Halo [1]	30	6.32	30	10.40	30	18.40	30	20.12	American	Cities Serv. Refining Co.	435.0	56.0	17.0	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,434	5,145
Oanfa	30	10.02	30	11.25	30	19.26	30	20.50	British	Alfred Holt & Co.	480.0	58.3	24.0	New York, N. Y.	Shanghai, China	([11])	3,589	9,347	6,611
Niobe [1]	30	12.40	30	12.55	30	20.20	30	21.45	Danzig	Standard Oil Co.	476.8	62.0	14.8	New York, N. Y.	Talara, Peru	Ballast		8,914	6,674
Chilcop	30	13.25	30	13.35	30	21.09	30	22.47	British	Chile S. S. Co.	410.0	54.0	23.4	New York, N. Y.	Chanaral, Chile	Machinery, etc.	5,158	6,634	5,008

[1] Tanker. [8] Submarine tender. [9] Submarine. [10] For orders. [11] Tin plates, lubricating oil, and general.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

City of San Francisco [12]	23	16.20	24	6.19	24	14.25			Panaman	Panama Mail S. S. Co.	296.09	45.93	19.2	San Francisco, Cal.	Cristobal, C. Z.	Coffee, logs, gen.	2,597	3,848	2,606
Suportco	23	15.10	24	6.21	24	14.25	24	14.25	American	Transmarine Lines	324.0	46.2	24.0	Gray's Har., Wash.	New York, N. Y.	Lumber	4,200	3,984	2,612
Strombus [13]	21	7.55	24	7.28	24	15.55	24	15.55	Peruvian	Cia Ballenera del Peru	410.0	52.1	23.0	Pisco, Peru	Land's End, Eng. [10]	Whale oil	3,563	6,446	4,792
Rio Tambo [14]	23	14.15	24	7.34	24	15.55	24	15.55	Norwegian	Tonsberg Hralfunguri	124.7	24.8	11.2	Callao, Peru	New Orleans, La.	Ballast		268	218
Rio Casma [14]	23	3.20	24	7.34	24	15.55	24	15.55	Peruvian	Cia Ballenera del Peru	125.6	25.0	8.0	Pisco, Peru	New Orleans, La.	Ballast		207	221
Atlantic	23	15.45	24	8.25	24	16.25	24	16.25	American	Argonaut S. S. Line	410.5	54.3	24.0	Seattle, Wash.	Providence, R. I.	Lumber, shingles	6,027	6,567	4,917
Apurimac	23	17.15	24	8.36	24	18.30	25	15.15	Peruvian	Peruvian Line	382.0	48.27	24.0	Callao, Peru	New York, N. Y.	Minerals	5,303	4,867	3,544
Eurana	23	22.00	24	9.07	24	17.20	24	18.15	American	Planet Line	399.7	56.2	27.06	Port Alberni, B. C.	Boston, Mass.	Lumber	7,950	7,381	5,595

[1] Tanker. [12] Motor ship. [13] Whaling ship. [14] Motor whaler.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Craster Hall	23	24 00	24	9 20	24	20 00	24	21.15	American	Isthmian S. S. Lines	380.0	50 0	24.6	Caleta Colosa, Chile	Jacksonville, Fla.	Nitrate	6,800	4,945	3,508
Suwied	24	4.15	24	10 14	24	22 00	24	22.00	American	The Charles Nelson Co.	324.0	46.2	24.0	Port Angeles, Wash	New York, N. Y.	Lumber, copper	4,964	3,983	2,629
Pennsylvanian	24	3 07	24	10 37	24	20 50	24	20 50	American	Amer.-Hawaiian Line	407.7	53 7	23.10	Portland, Oreg.	Boston, Mass.	General	6,176	7,107	4,989
Fortuna [15]	24	7 30	24	10 27	24	20 30			Colombian	C. Pagnamenta & Co.	79.3	20.67	7.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee, platinum	10	96	60
Axtel J. Byles [1]	24	7 30	24	11.09	24	23.10	24	23.10	American	Tidewater Oil Co.	468.3	62 7	28 3	Los Angeles, Calif.	New York, N. Y.	Crude oil	13,250	9,776	6,903
Artagan Mendi	24	10.30	24	13 11	25	10 20	25	8.55	Spanish	Sotar & Aznar	400.0	53 5	25.0	Tocopilla, Chile	Alexandria, Egypt	Nitrate	7,679	6,003	4,333
Calliope [1]	24	24 00	25	6 00	25	14.05	25	14.05	Danzig	Baltic-Amer. Pet. Co.	470.4	63.2	26.9	Los Angeles, Calif.	Hamburg, Germany	Naphtha	11,506	9,001	5,927
Malmanger [1]	24	21 00	25	7 17	25	14 50	25	19 12	Norwegian	Anglo-Saxon Pet. Co.	425.1	57.0	25.6	Los Angeles, Calif.	Land's End, Eng. [18]	Gasoline	8,932	7,084	4,940
Piako	24	17.00	25	8.11	25	16.07	25	17 50	British	N. Z. Shipping Co.	450.0	53.0	23.0	Dunedin, N. Z.	Glasgow, Scotland	Frozen, general	5,546	8,459	6,060
Fred W. Weller [1]	24	24 00	25	9 21	25	18 00	25	18.00	American	Standard Oil Co. of N.J.	500.0	68.0	29.9	Lobitos, Peru	Charleston, S. C.	Crude oil	15,000	10,928	7,710
James McGee [1]	25	11 10	25	11 59	25	20.35	25	20 35	American	Standard Oil Co. of N. J.	499.1	68.2	31.0	Los Angeles, Calif.	Montreal, Canada	Crude oil	15,199	10,964	7,909
Santa Ana	25	9.30	25	12.51	25	20.15	25	21.45	American	Grace Line	360.2	51.5	24.7	Talcahuano, Chile	New York, N. Y.	General	3,681	5,776	4,081
Birmingham City	25	12.30	25	13 20	25	21 55	26	2.15	American	Isthmian S. S. Lines	395.5	55.0	21.0	Melbourne, Aus'lia.	New York, N. Y.	General and ore.	3,299	7,304	5,188
Atlantic Sun [1]	26	4 38	26	6.14	26	14.40	26	14.20	American	Sun Oil Co.	429 3	59.2	26 0	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	9,343	7,668	5,283
William Penn [16]	25	18 30	26	7.26	26	15 45	26	15 45	American	American-Pioneer Line	439.0	60.0	28 0	San Carlos, P. I.	New York, N. Y.	Sugar	11,000	9,019	6,226
R. W. Stewart [1]	26	1 09	26	8.16	26	17.30	28	7.07	American	Pan.-Amer. Pet. & Tr. Co.	467.0	62.7	29.0	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	13,586	9,363	6,874
E. M. Clark [1]	26	8.50	26	9.40	26	18.20	26	18.20	American	Standard Oil Co. of N.J.	499.2	68.0	29.6	Los Angeles, Calif.	New York, N. Y.	Fuel oil	16,100	11,063	8,033
Katrina Luckenbach	26	10 20	26	10.49	26	17.55	26	22.40	American	Luckenbach Line	446.0	56.17	28.0	Portland, Oreg.	New York, N. Y.	Lumber, general	7,734	8,508	6,179
Dos Hermanos [25]	26	10 30	26	10.59	26	22 55	27	9.10	Panaman	Isth. Land & Fruit Co.	45.0	12.0	5.0	El Real, R. P.	Cristobal, C. Z.	Bananas		17	13
Padilla	26	13 50	26	15 06	26	22.40			Colombian	Colombian S. S. Co.	247.3	43.5	12.6	Buenaventura, Col.	Cristobal, C. Z.	(19)	763	2,206	1,506
Steelmaker	27	13 15	27	14.15	27	21.40	27	21.40	American	Isthmian S. S. Lines	395.5	55.0	28.0	Tsingtao, China	Philadelphia, Pa.	Lumber, general	8,837	7,330	5,245
Buenos Aires [16]	27	11 00	27	15.10	27	23.30	29	9.55	Swedish	Johnson Line	426.9	56.2	28.0	Portland, Oreg.	Gothenburg, Swed.	General	7,895	7,591	5,661
India Arrow [1]	27	23.00	28	6.08	28	16.20	28	16 20	American	Standard Transp. Co.	468.3	62.7	27.9	Los Angeles, Calif.	Baltimore, Md.	Gasoline	11,600	10,084	7,426
No. 224 [17]	27	2.00	28	7.02	28	14.10	28	20 50	American	U. S. Navy	314.4	31.6		San Diego, Calif.	New York, N. Y.				
Panama [16]	27	21 35	28	8 12	28	16.50	28	20.55	Danish	East Asiatic Co., Ltd.	410.0	55.2	28.10	Seattle, Wash.	Copenhagen, Den.	General	9,451	7,027	5,341
Robin Hood	28	5.30	28	9.11	28	17.30	28	17.30	American	Seas Shipping Co.	424.8	55.2	25.0	Port Alberni, B. C.	New York, N. Y.	Lumber	7,289	7,473	5,533
Abessinia	28	10.45	28	11.29	28	19.38	30	5.55	German	Hamburg-American Line	237.72	35.91	15.5	Champerico, Guat.	Hamburg, Germany	(20)	1,425	1,647	1,077
Patrician	28	12.45	28	13.29	28	21.20	29	9.30	British	T. & J. Harrison	421.0	56.0	24.6	Vancouver, B. C.	London, England	General	7,918	6,353	4,598
No. 217 [17]	29	2.30	29	6.43	29	14.30	30	14.05	American	U. S. Navy	310.0	31.0		Corinto, Nicaragua	Norfolk, Va.				
No. 214 [17]	28	6.00	29	6.59	29	14.30	30	14.05	American	U. S. Navy	310.0	31.0		Salinas Bay, C. R.	Norfolk, Va.				
Reginolite [16]	28	15.45	29	7.45	29	17.15	29	17.15	British	Imperial Oil Co., Ltd.	469.3	63.15	28.0	Talara, Peru	Halifax, N. S.	Light crude oil	12,300	9,231	6,304
Leon XIII	29	3 00	29	8 03	29	15.50	30	18.40	Spanish	Spanish Royal Mail Line	410.0	46.0	20.10	Valparaiso, Chile	Barcelona, Spain	General	241	5,521	3,729
Bogota	29	2.30	29	9.04	29	18.10	30	11.57	British	Pacific Steam Nav. Co.	400.0	52.4	23.6	Corral, Chile	Hull, England	(21)	6,161	5,733	4,015
Gyokoh Maru	29	6.30	29	10.18	29	18.20	29	18.20	Japanese	Yamashita K. Kaisha	405.0	52.10	24.10	Victoria, B. C.	New York, N. Y.	Lumber	4,140	6,010	4,469
Algonquin [1]	29	4.30	29	12.14	29	19.50	29	19.50	American	Standard Transp. Co.	435.0	56.0	26.7	San Francisco, Cal.	New York, N. Y.	Gas oil	9,763	7,602	5,337
Kentuckian	29	11.50	29	12.38	29	20.05	29	20.05	American	Amer.-Hawaiian Line	414.5	53.7	27.0	Seattle, Wash.	Boston, Mass.	General	6,133	7,049	4,941

[1] Tanker. [15] Motor schooner. [16] Motor ship. [17] Destroyer. [18] For orders. [19] Coffee, hides, and rubber. [20] Coffee, sugar, and wood. [21] Barley, honey, cotton, nitrates, etc.

Canadian Prospector	29	13.30	29	14.04	29	21.35	29	23.10	British	Can. Gov. Mer. Marine	400.0	52.4	18.0	Wellington, N. Z.	Montreal, Canada	General	3,075	5,893	4,068
Lebore	28	23.00	29	15.10	30	14.30	30	14.30	American	Ore S. S. Corp.	549.65	72.25	34.6	Cruz Grande, Chile	New York, N. Y.	Iron ore	20,000	14,325	4,635
Emidio [1]	29	9.30	30	6.10	30	17.15	30	18.10	American	General Petroleum Co.	435.0	56.2	27.0	Los Angeles, Calif.	New York, N. Y.	Gasoline	8,808	7,433	5,058
Point Sur	29	23.20	30	7.13	30	17.40	30	17.40	American	Swayne & Hoyt	324.0	46.2	23.6	San Francisco, Cal.	New Orleans, La.	General	3,389	3,984	2,612
Tamaroa	29	14.50	30	8.12	30	16.25	30	16.25	British	Shaw, Savill & Albion	500.4	63.25	25.0	Wellington, N. Z.	London, England	Refrig., general	4,463	13,592	9,383
Edgar F. Luckenbach	29	23.50	30	9.22	30	18.15	30	18.15	American	Luckenbach Line	425.0	57.3	28.3	Tacoma, Wash.	Mobile, Ala.	General	7,740	8,568	6,648
Commercial Traveler	30	6.10	30	10.28	30	18.50	30	18.50	American	Moore & McCormack	380.3	53.1	23.10	Bellingham, Wash.	New York, N. Y.	Lumber	6,225	5,657	4,247
Denmark Maru	30	9.00	30	13.07	30	20.35	30	20.35	Japanese	Kawasaki Kisen Kaisha	385.0	51.0	27.1	Seattle, Wash.	Europe via Norfolk, Va. [18]	Bulk and sack wheat.	7,687	5,926	4,398
West Cusseta	30	11.12	30	14.12	30	21.35	30	21.35	American	Roosevelt Line (S. B.)	410.0	54.4	17.5	Melbourne, Aust'lia	New York, N. Y.	Wool and skins	469	6,736	4,880

[1] Tanker.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
April 24	Toloa	United Fruit Co.	Port Limon, Costa Rica.	April 24	Flandre	French Line	Havre via wayports.
April 24	Willet [22]	Merritt, Chapman & Scott	Old Providence, Colombia	April 24	Simon Bolivar	Royal Netherlands W. I. Mail	Amsterdam via wayports.
April 24	Wawa	Standard Fruit S. S. Co.	Puerto Cabezas.	April 24	Toloa	United Fruit Co.	New York via Habana.
April 25	Calamares	United Fruit Co.	New York via Habana.	April 25	Linda S. [23]	Surgeon Brothers	Bluefields via wayports.
April 25	Linda S. [23]	Surgeon Brothers	Colon, R. P.	April 25	Parismina	United Fruit Co.	New Orleans via wayports.
April 27	Saramacca	United Fruit Co.	Port Limon, Costa Rica.	April 25	Onondaga	Ford Motor Co.	Pensacola, Fla.
April 27	Ancon	Panama Railroad S. S. Line	New York via Haiti.	April 26	Wawa	Standard Fruit S. S. Co.	New Orleans via wayports.
April 27	San Benito	United Fruit Co.	Halifax via Habana.	April 27	Saramacca	United Fruit Co.	New Orleans, La.
April 27	Coppename	United Fruit Co.	New Orleans, La.	April 27	Calamares	United Fruit Co.	Port Limon, Costa Rica.
April 27	Tivives	United Fruit Co.	New York via Kingston.	April 27	San Benito	United Fruit Co.	Boston via wayports.
April 27	M. F. Benefit [24]	F. Britton	Colon, R. P.	April 28	M. F. Benefit [24]	F. Britton	Bluefields, Nicaragua.
April 28	Santa Marta	United Fruit Co.	Colombian ports.	April 28	Tivives	United Fruit Co.	Colombian ports.
April 28	Favorita	Standard Fruit S. S. Co.	New Orleans, La.	April 28	Santa Marta	United Fruit Co.	New York via Kingston.
April 28	Oranian	Leyland Line	Liverpool via wayports.	April 28	Coppename	United Fruit Co.	Bocas via Port Limon.
April 29	Limon	United Fruit Co.	Puerto Colombia.	April 28	Favorita	Standard Fruit S. S. Co.	San Blas coast, R. P.
April 30	Favorita	Standard Fruit S. S. Co.	San Blas coast, R. P.	April 30	Oranian	Leyland Line	New Orleans and Port Limon.
April 30	Ariguani	Elders & Fyffes, Ltd.	Port Limon, C. R.	April 30	Ariguani	Elders & Fyffes, Ltd.	Bristol via Kingston.
April 30	Galicia	Hamburg-American Line	Hamburg via wayports.	April 30	Favorita	Standard Fruit S. S. Co.	New Orleans, La.
				April 30	Limon	United Fruit Co.	New York via Kingston.

[22] Tug and barge *No. 26*. [23] Motor schooner. [24] Schooner.

PORT OF BALBOA.

April 25	Remus	A. O. Lindvig	Seattle, Wash.	April 25	Remus	A. O. Lindvig	Chanaral, Chile.
April 26	Cricanola [25]	United Fruit Co.	Panama Bay, R. P.	April 26	Pathfinder [23]	Mrs. L. G. Salkey	Panama Bay, R. P.
April 26	Pathfinder [23]	Mrs. L. G. Salkey	Panama Bay, R. P.	April 27	Cricanola [25]	United Fruit Co.	Panama Bay, R. P.
April 27	Ginyo Maru	Nippon Yusen Kaisha	Hongkong, China.	April 27	Ginyo Maru	Nippon Yusen Kaisha	Valparaiso, Chile.

[25] Yacht.

* Other than ships passing through the Canal.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending April 30, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
Atrato	Colombian Transport Co		April 24		153
Simon Bolivar	Royal Netherlands W. I. Mail		April 24		782
Flandre	French Line		April 24		375
Toloa	United Fruit Co	April 24	April 24	14	(1)
Linda S	Surgeon Brothers		April 25		45
Iowa	French Line		April 25		93
City of San Francisco	Panama Mail S. S. Co	April 24		2,597	
Fortuna	Colombian Transport Co	April 24		10	
Parismina	United Fruit Co	April 24	April 25	16	338
Apurimac	Peruvian Line	April 24	April 25	80	(1)
Wawa	Standard Fruit S. S. Co	April 24	April 26	300	1
Commercial Pioneer	Panama Railroad S. S. Line	April 24	April 29	759	1,866
Santa Ana	Grace Line	April 25	April 25	4	5
Venezuela	Panama Mail S. S. Co	April 25	April 26	726	194
Calamares	United Fruit Co	April 25	April 27	296	13
R. W. Stewart	Pan-American Petroleum Co	April 26	April 28	13,586	(1)
Pensylvanie	French Line	April 26	April 28	264	568
Padilla	Colombian S. S. Co	April 26		763	
Dos Hermanos	Isthmian Land & Fruit Co	April 26	April 27	11½	(1)
Ansgir	Roland Line	April 26	April 27	(2)	392
Saramacca	United Fruit Co	April 27	April 27	85	499¾
Coppename	United Fruit Co	April 27	April 28	607	120
Ancon	Panama Railroad S. S. Line	April 27		2,097	
Tivives	United Fruit Co	April 27	April 28	183	525
Orduna	Pacific Steam Navigation Co	April 27	April 28	81	20
Buenos Aires	Johnson Line	April 27	April 29	6	624
San Benito	United Fruit Co	April 27	April 27	(3)	133
M. F. Benefit	A. D. Britton	April 27	April 27	(2)	18¾
Santa Marta	United Fruit Co	April 27	April 28	(4)	195
Panama	Danish East Asiatic Co	April 28	April 28	(2)	95
Favorita	Standard Fruit S. S. Co	April 28	April 28	180	4½
Salvador	Pacific Steam Navigation Co		April 28		1,117
Essequibo	Pacific Steam Navigation Co	April 28	April 29	180	43
Alda	Roland Line	April 28	April 30	100	274
Abessinia	Hamburg-American Line	April 28	April 30	139	345
Oranian	Leyland Line	April 28	April 30	730	(1)
Garfield	N. O. & S. A. S. S. Line	April 29	April 29	22	(1)
Bogota	Pacific Steam Navigation Co	April 29	April 30	64	67
Leon XIII	Spanish Line	April 29	April 30	115¾	328
Limon	United Fruit Co	April 29	April 30	48	710½
Legazpi	Spanish Line	April 30		196	
Perene	Peruvian Line	April 30		46	
Almelo	Royal Netherlands W. I. Mail	April 30		347	
Grootendijk	Holland-American Line	April 30		363	
Favorita	Standard Fruit S. S. Co	April 30	April 30	(2)	444
Galicia	Hamburg-American Line	April 30		130	
Magellan	Pacific Steam Navigation Co	April 30		86	

[1] No cargo laded. [2] No cargo discharged. [3] 300 pounds. [4] 200 pounds.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending April 30, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
Cambrai	U. S. Army	April 26	April 27	91	10
Venezuela	Panama Mail S. S. Co	April 27	April 27	26	
Ginyo Maru	Nippon Yusen Kaisha	April 27	April 28	346	
Salvador	Pacific Steam Navigation Co	April 28	April 28		6
West Cusseta	U. S. Shipping Board	April 30	April 30		4

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers)". Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Location of Patients and Visiting Hours, at Ancon Hospital.

The following table shows the distribution of patients in the Ancon hospital buildings and the visiting hours for the various wards and sections:

Section and Ward.	Visiting Hours.
Section "B:"	
Ward 5, Male, private rooms, American boys	Daily 9.30 to 11 a. m.; 2.00 to 4.30 p. m.; 6.30 to 8.00 p. m. (No visitors permitted in nursery.)
Ward 6, Foreign, male and female, private rooms, American girls	
Ward 7, White female, private rooms	
Ward 8, Obstetrical department, white females (Nursery)	
Section "C:"	
Ward 9, White foreign, male	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 11, Colored, male, surgical	
Ward 12, Colored, male, medical, eye and ear	
Ward 13, Colored, male, G. U	
Ward 14, American, male, G. U	
Section "D:"	
Ward 15, American, male, surgical	Tuesdays, Thursdays, and Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m.
Ward 16, American, male, medical, eye and ear	Sundays and holidays, 9.30 to 11 a. m.; 2.30 to 4.30 p. m.
Ward 17, Colored children	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 18, White children	Daily 9.30 to 11 a. m.; 2 to 4 p. m.
Ward 19, Colored, female, medical	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 20, Colored, female, surgical, obstetrical	
Isolation	No visitors permitted except to visit tuberculosis patients, Thursdays, Sundays, and holidays, 1.30 to 3 p. m.

Permission to visit outside of visiting hours will be granted upon application to the Superintendent's Office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines, and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.15 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $9.00 per ton of 2,240 pounds at Cristobal, and $12.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $9.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $10.00 per ton at Cristobal, $13.00 at Balboa. If less than 50 tons is taken from lighters, prices are $12.00 per ton at Cristobal and $15.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $10.00 Cristobal and $13.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, bunker ships at the rate of from 100 to 500 tons an hour, practically as fast as the nature of the vessel will allow. Oil can be delivered from 30 tanks aggregating approximately 1,500,000 barrels of storage capacity, as fast as the ships can take it. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A salvage service operated by the Canal is available for prompt assistance to vessels within a radius of a thousand miles of the Canal, or farther if required. Seagoing tugs or a wrecking tug with requisite equipment are dispatched on short notice.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective, in the course of handling large traffic through the Canal in nearly 10 years of operation.

Postal Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., May 11, 1927. No. 40.

Tanker Traffic Through the Panama Canal in April, 1927.

During the month of April, 1927, 123 tank ships transited the Canal, with an aggregate net tonnage, Panama Canal measurement, of 711,276, on which tolls of $630,783.36 were collected. In point of net tonnage, tanker traffic for the past month showed an increase of approximately 19.9 per cent over the same traffic for the corresponding month a year ago, while cargo tonnage showed an increase of 16.7 per cent over the cargo tonnage of April, 1926.

Tank ships comprised 26.5 per cent of the total commercial transits of the Canal during the month; made up approximately 32.0 per cent of the total Panama Canal net tonnage; were the source of 30.6 per cent of the tolls collected; and carried approximately 29.5 per cent of the total cargo in transit through the Canal. The number, aggregate tonnage, tolls, and cargo of tank ships transiting the Canal during the month of April, 1927, segregated by direction of transit and nationality of vessels, are shown in the following tabulations, with comparative totals for the two preceding months and for April, 1926:

Nationality.	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
Belgian	1	6.362	$4,709.25	.....
British	16	84,210	62,205 30	8,550
Danzig	2	14,759	10,626.48	.....
French	1	3,806	2,740.32	.....
Norwegian	1	5,107	3,677.04	.....
United States	37	224,331	163,774.07	9,799
Totals, April 1, 1927	53	338,575	247,792.46	18,349
Totals, March, 1927	60	344,866	250,165.09	7,400
Totals, February, 1927	60	359,733	260,048.31	.....
Totals, April, 1926	46	270,172	196,518.34	8,679
Pacific to Atlantic.				
British	8	40,991	43,807.50	80,688
Danzig	2	14,094	13,365.00	24,506
Norwegian	5	25,970	28,646.25	46,326
Peruvian	1	4,792	5,750.40	3,563
United States	49	286,854	291,621.75	545,437
Totals, April, 1927	65	372,701	383,190.90	700,520
Totals, March, 1927	58	349,070	355,116.50	647,132
Totals, February, 1927	44	255,772	260,493.75	474,403
Totals, April, 1926	56	322,603	331,229.85	607,681

Of the total tanker traffic shown above, the following is a summary of the vessels giving Los Angeles as their port of origin or destination, together with the totals for the two preceding months and for April, 1926:

	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
To Los Angeles.				
April, 1927	41	240,533	$173,183.76	.....
March, 1927	49	287,266	207,095.58	.....
February, 1927	51	304,227	219,363.99	.....
April, 1926	29	227,294	163,651.68	.....
From Los Angeles.				
April, 1927	48	288,359	294,804.70	545,928
March, 1927	39	236,440	240,562.50	444,294
February, 1927	34	205,415	209,051.25	387,123
April, 1926	41	233,011	240,266.05	440,442

Royal Netherlands West India Mail Building Removed to Make Way for New Office Building at Cristobal for All Canal Units.

The 2-story concrete office building housing the Royal Netherlands West India Mail activities in Cristobal has been moved across Columbus Avenue in order to make way for the Administration Building to be built at the Atlantic terminus of the Canal. The new building is designed to provide office space for the various activities of the Canal organization which are now housed in separate buildings located in different parts of the town. Rather than provide several new permanent buildings, an Administration Building with facilities for all offices was adopted as more convenient.

The Administration Building will face on Terminal Street, with wings along Roosevelt and Columbus Avenues. The front measurement is 160 feet long, the east wing 280 feet, and the west wing 124 feet. The structure will be fireproof, of reinforced concrete, with 3 stories on the north front, and two stories on the wings. The 2-story portion of the wings is designed with a flat slab on the third-floor level suitable for a future floor in case the wings should be extended subsequently to 3-story height. Two main staircases are provided, with necessary lobby space, at the east and northeast corners of the building. The estimated cost of the new structure is $500,000. Floor space is approximately as follows: First floor, 27,584 square feet; second floor, 22,724 square feet; third floor, 7,360 square feet, providing a total of 57,668 square feet.

The offices which will abandon their present locations and be installed in the new building are the post office, police station, magistrate's court, district court, garage and jail, paymaster, collector, district quartermaster, Panama R. R. Steamship ticket agent, land agent, and the district dentist.

First steps in the construction of the building started on January 6 when the ground was drilled with a view to ascertaining the requirements for the foundations.

New Sand and Gravel Plant.

A new method of reclaiming sand and gravel for use in cement work was inaugurated January 12, 1927, when a pipe line suction dredge assisted by the relay pump barge began delivering gravel to the stock pile at Gamboa through a pipe line approximately 5,000 feet long and over a maximum elevation of 45 feet.

A new plant for washing the gravel and screening it into sizes has also been built to the north of the Chagres River and east of railway tracks at Gamboa. This plant has been in operation since the latter

part of October, 1926, and is soon to be supplemented by a rock crusher for those sizes over 3 inch which constitute about one-seventh of the total run of bank gravel and which otherwise would go to waste.

About 50 per cent of the demand for gravel is for run of bank, consequently stock piles of this grade have been established at Balboa and Cristobal. For these stock piles a sufficient quantity of gravel directly from the original deposit in the Chagres River will be secured during the operation of accumulating a stock pile at Gamboa by loading cars at the end of the dredge's discharge line.

Formerly gravel was secured by dredging into barges, towing to Gamboa, unloading into cars and hauling to stock pile. The new method will result, it is estimated, in a saving of 50 cents per cubic yard, or about 40 per cent, and in addition, valuable sanitary work will be accomplished without additional cost.

Bridge Across Miraflores Spillway Discharge Channel.

The discharge channel of the spillway of Miraflores Lake, on the east side of Miraflores Locks, separates the locks from the Panama Railroad and the principal highways. Heretofore, crossing has been made over a pile trestle carrying a spur of the Panama Railroad but not suitable for motor vehicles. It has been decided to build a steel and concrete trestle bridge to carry both railway and highway to the locks, and to locate the lines so as to make the building of the former steam electric plant available as a storehouse for material for the locks. The bridge is to be built about 200 yards below the spillway dam and will, in effect, connect the old steam plant at Miraflores with Miraflores Locks. The estimated length is 530 feet and the cost will be approximately $125,000, including approaches. The bridge will probably be a series of plate girders, having single track and a single width road, both occupying the same space, and allowing only one-way traffic at a time. In connection with this bridge there has been completed a quarter of a mile of 18-foot road, leading from the Gaillard Highway to the bridge project at the west wall of the Diesel power plant. Heretofore, all materials and supplies for the locks at Miraflores had to be hauled by rail from the storehouse at Corozal to Miraflores. Upon the completion of the new bridge all supplies for the locks can be stored at the old steam plant and hauled by either car or truck to the locks.

Regulating Level of Gatun Lake.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., May 9, 1927.

TO ALL CONCERNED:

1. The following schedule for maintaining Gatun Lake during the 1927 rainy season will be adhered to as closely as conditions permit.

2. The Lake will be allowed to fill to elevation 85.50 before any water is wasted over the spillway. Spilling for sanitary purposes or for exhibition will be permitted upon approval of the chief of surveys. The Lake will be held between elevations 85.50 and 86.00 until October 1; filled to elevation 86.50 in October; and to elevation 87.00 after November 1, as indicated by water supply conditions. After spillage is begun, a variation of 0.50′ from above elevations will be allowed to lessen the number of gate operations.

M. L. WALKER,
Governor.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, May 7, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons	Gross.	Net.
Almelo	4-30	4.00	5-1	6.15	5 1	13.02	5-1	14.25	Dutch	Royal Neth. W. I. Mail	447.4	62.6	21.0	Amsterdam, Holl.	Valparaiso, Chile.	General	3.31	9.493	6.653
Antonio	30	15.15	1	6 20	1	13.52	1	15 1	British	Andrew Weir & Co.	400.0	52.4	24.10	Port Arthur, Texas	Auckland, N. Z.	Case oil, general.	6,30	5,803	4,093
Chinese Prince [2]	30	22 15	1	7 25	1	14.36	1	15.4	British	Prince Line, Ltd.	441.6	60.0	22 6	New York, N. Y.	Shanghai, China	General	6,67	9,254	6,265
Aladdin [1]	5-1	6 15	1	7 35	1	15.02	1	19.25	American	Standard Transp. Co.	435 6	53.2	16.0	Portland, Me	Los Angeles, Calif	Ballast		7,498	5,112
Bengal Maru	1	4.25	1	8 30	1	15 52	1	17.05	Japanese	Nippon Yusen Kaisha	400.9	54 5	21 0	Baltimore, Md	Kobe, Japan	General	6.53	5,827	4,125
Grootendijk	4-30	6 28	1	10 10	1	17.25	1	18 25	Dutch	Holland-American Line.	450 0	53.0	18.9	Rotterdam, Holland	Portland, Oreg.	General	1,63	8,730	5,860
Santos [2]	5-1	2.55	1	11.55	1	18.50	2	00.17	Swedish	Johnson Line	367.0	51.3	22.8	Gothenburg, Sweden	San Francisco, Cal.	General	5,30	5,391	4,033
Louise [3]			1		1	18.50			American	John Billing				Cristobal, C. Z.	Balboa, C. Z.	Ballast		[illegible]	[illegible]
Crampton Anderson [1]	1	16 33	2	6.15	2	12.55	2	14 0'	American	Huasteca Petroleum Co	435.0	56.0	21 6	Portland, Me.	Los Angeles, Calif	Ballast		7,406	5,159
Montrolite [2] [1]	1	18 10	2	6 15	2	13 19	3	2 1	British	Imperial Oil Co., Ltd.	510.9	68 0	22.0	Halifax, N. S.	Talara, Peru	Ballast		1,555	7,678
Maryland	1	14 30	2	7 20	2	15 23	2	16.4	British	Andrew Weir & Co	370.0	51.9	29.2	Cardiff, England	Auckland, N. Z.	Sugar	5 89	6,221	4,062
Mexican	1	20 45	2	8 00	2	15 37	2	16.4	American	Amer.-Hawaiian Line	472.3	57.2	23.6	Boston, Mass.	Tacoma, Wash	General	5,74	9,258	6,874
Hanley	2	8 50	2	9 00	2	16 12	2	17 05	American	Norton, Lilly & Co	440.0	56 0	23.0	Baltimore, Md	Seattle, Wash	Steel, general.	10,05	8,301	5,995
Ville de Verdun	1	14 35	2	9 30	2	16 47	2	18 3	French	Messageries Maritimes.	425.9	53 0	23.6	Dunkirk, France.	Noumea, N. Calid	General	3.47	7,603	5,629
Entor	2	9.20	2	9 50	2	16 57	2	22.35	British	Avelne S. S. Co.	365 0	52 5	19.9	New York, N. Y.	Fremantle, Aust'li	Case oil, general.	4.80	6,217	4,680
Legazpi	4-30	18 50	2	13 05	2	20 04	2	21.05	Spanish	Spanish Line	375 6	47.0	18.11	Barcelona, Spain	Valparaiso, Chile	General	19	4,506	2,827
Perene	30	1 30	2	13 10	2	21 16	2	22 30	Peruvian	Peruvian Line	234 0	39.0	16.3	New York, N. Y.	Callao, Peru	General, coal.	1,31	2,168	1,529
Sutermeo	5-2	13.10	2	13 30	3	21 20	3	00 12	American	Transmarine Lines	321.9	46.2	21 0	Newark, N. J.	Los Angeles, Calif	General	2.96	3,984	2,628
Arkansas	2	8.47	2	14.25	2	22 05	2	23 3	French	French Line	448.0	53.0	23 3	Havre, France.	Seattle, Wash.	Iron, general	5,70	7,678	5,563
Milwaukee Pridge	2	13 35	3	6 15	3	14 18	4	11 37	American	Matson Nav. Co.	321.0	46 2	12 5	New York, N. Y.	San Francisco, Cal	Ballast		3,984	2,612
Penelope [2] [1]	2	15 05	3	6 15	3	15 10	3	16.3	Danish	Baltic-Amer. Pet. Co.	470.0	63.0	21.0	Hamburg, Germany	Los Angeles, Calif	Ballast		9,302	6,127
Sylvafield [2] [1]	3	10 30	3	7 10	3	16 14	3	20 2	British	Anglo-Saxon Pet. Co	395.0	52 5	18.6	Thameshaven, Eng.	Los Angeles, Calif.	Ballast		5,900	3,993
Royal Arrow [1]	3	6 05	3	7 30	3	16 14	4	3 34	American	Standard Transp. Co.	457.6	62 7	21.0	New York, N. Y.	Los Angeles, Calif	Ballast		9,699	6,895
Santa Helena [1]	4-9	23 25	3	7 00	3	16 14	3	17 35	Costa Rican	Costa Rican Government	118.0	19.6	12 0	Cristobal, C. Z.	Puntarenas, C. R.	Ballast		123	69
San Rosendo [1]	5-3	6 25	3	8 20	3	17 51	4	09.40	British	Anglo-Mex. Pet. Co.	467.0	52.0	21.0	Hull, England.	Los Angeles, Calif	Ballast		6,237	4,353
Huntingdon	3	6.40	3	9 40	3	18.01	4	8.24	British	Red Steam Nav. Co.	533.0	64.0	30.6	Newport, England	Auckland, N. Z.	General	12,889	12,945	9,378
San Ubaldo [1]	3	7.00	3	10 40	3	18 30	3	19 30	British	Eagle Oil Transp. Co.	412.9	53.4	21.5	Portishead, Eng.	Los Angeles, Calif	Ballast		5,976	4,069
Hazel Branch	3	7 38	3	11 15	3	19 20	4	1 25	British	Nautilus S. S. Co	420.0	51.0	18.0	Liverpool, England	Valparaiso, Chile	General	2,29	5,218	3,578
Invincible	3	10 15	3	11 55	3	20 13	3	22 05	American	American-Pioneer Line.	440 0	56.9	21 0	New Orleans, La.	Kobe, Japan	(?)	4,145	8,329	6,157
Alemania	3	13 55	3	14.15	3	2 55	5		German	Hamburg-American Line	234.0	36.0	9.0	Curacao, D. W. I.	Balboa, C. Z. [6]	Ballast			
Diana Dollar	3	16.20	4	6.20	4	13.41	4	15.15	American	Dollar Line	429.0	55.2	13.8	New York, N. Y.	San Francisco, Cal	General	3,50	7,582	5,521
William Rockefeller [1]	4	3.30	4	6 30	4	14 40	4	16 00	American	Standard Oil Co.	554 9	75.3	22.0	New York, N. Y.	Los Angeles, Calif	Ballast		14,785	10,313
S. C. T. Dodd [1]	4	7.40	4	7 55	4	15 23	4	18 46	American	Standard Oil Co.	425.9	57.2	17.0	Norfolk, Va.	Los Angeles, Calif	Ballast		7,481	4,975
S-42 [5]			4	9.40	6	14.10			American	U. S. Navy	225.0	23.0		Cristobal, C. Z.	Balboa, C. Z.				
S-47 [5]			4	9 40	6	14.10			American	U. S. Navy	225 0	23.0		Cristobal, C. Z.	Balboa, C. Z.				
S-43 [5]			4	9.50	6	13.00			American	U. S. Navy	225.0	23.0		Cristobal, C. Z.	Balboa, C. Z.				

[1] Tanker. [2] Motor ship. [3] Launch. [4] Motor schoon [5] Submarine. [6] For repairs. [7] Cotton, tobacco, and general.

S-45 [5]			4	9.50	6	18.09			American	U. S. Navy	225.0	28.0		Cristobal, C. Z.	Balboa, C. Z.					
S-46 [5]			4	10.30	6	14.14			American	U. S. Navy	225.0	28.0		Cristobal, C. Z.	Balboa, C. Z.					
F. J. Luckenbach	4	4.50	4	10.40	4	17.38	4	18.34	American	Luckenbach Line	446.0	56.0	26.8	Boston, Mass.	Seattle, Wash.	General	7,299	8,508	6,179
Magellan	4-30	23.55	4	12.05	4	19.30	4	20.15	British	Pacific Steam Nav. Co.	461.5	59.3	25.0	Liverpool, England	Valparaiso, Chile	General	4,303	8,817	6,063
Tashmoo	5-4	12.15	4	12.40	4	21.30	5	10.22	American	Charles Nelson & Co.	324.0	46.2	17.3	Baltimore, Md.	San Francisco, Cal.	General	2,522	3,954	2,623
Knute Nelson [2]	3	13.39	4	13.35	4	20.22	5	1.07	Norwegian	Petter Olsen	435.9	59.2	24.2	Antwerp, Belgium	Vancouver, B. C.	Bananas, general	7,302	8,016	5,854
Gladiator	3	16.55	4	13.45	4	21.58	4	23.01	British	T. & J. Harrison	405.0	52.0	15.0	Liverpool, England	Vancouver, B. C.	Ballast		6,434	4,741
Motor Sailor			4		4	11.51			American	U. S. Navy				Cristobal, C. Z.	Gatun, C. Z.				
Dos Hermanos [3]	3	18.45	4	12.00	4	20.28	4	21.00	Panaman	Isth. Land & Fruit Co.	35.0	12.0		Cristobal, C. Z.	Panama, R. P.	Ballast		17	13
Santa Teresa	4	17.05	5	6.05	5	12.39	5	17.45	American	Grace Line	360.2	51.6	24.0	New York, N. Y.	Talcahuano, Chile	General	2,834	5,726	4,086
Walter Jennings [1]	4	20.30	5	7.05	5	15.07	5	16.00	American	Standard Oil Co.	499.2	68.1	21.0	New York, N. Y.	Los Angeles, Calif.	Ballast		11,037	7,995
Baldhill [1]	5	7.20	5	8.25	5	15.57	5	19.40	American	McAllister Bros. (S. B.)	416.9	56.2	20.9	New York, N. Y.	Los Angeles, Calif.	Ballast		6,723	4,690
Orient	5	7.55	5	9.35	5	16.46	5	17.45	American	Oriental Navigation Co.	376.4	52.3	17.10	Newport News, Va.	Aberdeen, Wash.	General	3,031	5,455	3,879
Esther Weems	4	13.40	5	14.05	5	19.50	9	16.15	American	Pacific S. S. Co.	312.0	45.0	14.0	New York, N. Y.	San Francisco, Cal.	Ballast		3,759	2,579
City of San Francisco [2]	4-24	14.25	6	6.00	6	13.06	6	16.15	Panaman	Panama Mail S. S. Co.	296.0	45.0	19.11	Cristobal, C. Z.	San Francisco, Cal.	General	2,338	3,848	2,606
Cauca	5-3	17.45	6	6.00	6	17.02	6	23.24	Colombian	National Navigation Co.	107.0	22.0	10.0	Cristobal, C. Z.	Buenaventura, Col.	General	336	238	163
Chilore	4	6.30	6	6.10	6	13.07	6	15.05	American	Ore S. S. Corp.	550.0	72.0	21.6	Norfolk, Va.	Cruz Grande, Chile	Ballast		14,538	9,343
President Wilson	6	6.10	6	7.33	6	15.13	7	00.14	American	Dollar Line	516.0	72.0	26.0	New York, N. Y.	Hongkong, China	General	3,397	15,236	10,533
Canadian Pioneer	5	18.05	6	8.40	6	17.02	6	18.35	British	Can. Gov. Mer. Marine	400.0	52.0	19.0	Halifax, N. S.	Auckland, N. Z.	General	1,163	5,377	4,070
Californian [2]	5	23.30	6	9.45	6	18.25	6	20.04	American	Amer.-Hawaiian Line	445.0	59.8	21.0	New York, N. Y.	Portland, Oreg.	General	5,182	8,567	6,020
Kekoskee [1]	6	00.45	6	10.50	6	19.09	6	20.04	American	Acewood Pet. Corp.	391.8	51.3	18.0	New York, N. Y.	Los Angeles, Calif.	Ballast		5,550	3,867
City of Lyons	6	5.50	6	10.57	6	20.04	7	8.42	British	Ellerman-Hall Line	455.6	58.0	23.6	New York, N. Y.	Adelaide, Australia	General	5,134	8,999	6,793
Capto	6	5.55	6	12.20	6	21.09	6	22.23	Norwegian	Can.-Amer. Ship. Co.	376.0	52.0	15.0	Barry, England	Los Angeles, Calif.	Ballast		5,076	4,647
Henry S. Grove	6	11.10	6	13.08	6	22.15	7	2.45	American	Argonaut S. S. Line	404.6	51.0	23.6	Baltimore, Md.	Seattle, Wash.	Steel, general	8,353	6,755	4,688
Florence Luckenbach	6	17.00	7	6.15	7	14.39	7	16.05	American	Luckenbach Line	401.8	52.2	19.0	New Orleans, La.	Seattle, Wash.	General	3,950	6,002	4,621
Witram	7	00.15	7	6.35	7	15.29	7	16.40	German	North German Lloyd	450.0	53.2	25.0	Hamburg, Germany	Portland, Oreg.	General	6,051	7,820	5,661
Santa Maria [1]	5	20.16	7	6.50	7	16.20	7	17.30	American	Union Oil Co.	460.0	60.0	21.10	Cristobal, C. Z.	Los Angeles, Calif.	Ballast		8,746	5,679
Steel Trader	6	23.50	7	7.15	7	16.38	7	17.45	American	Isthmian S. S. Lines	424.6	55.0	25.6	New Orleans, La.	Newchwang, China	(8)	8,023	7,611	5,459
Laurel	7	6.05	7	8.30	7	17.17	7	18.45	American	Col. Pacific Ship. Co.	426.4	54.0	24.8	Jacksonville, Fla.	Portland, Oreg.	(9)	7,087	6,756	4,874
Victoria Maru	7	4.35	7	10.35	7	18.00	7	22.03	Japanese	Kawasaki Kisen Kaisha	385.0	51.0	24.0	Galveston, Texas	Yokohama, Japan	(10)	4,633	6,250	4,700
Marore	6	10.35	7	11.20	7	18.54	7	19.54	American	Ore S. S. Corp.	559.0	72.3	21.3	Norfolk, Va.	Cruz Grande, Chile	Ballast		15,551	4,297
City of Khartoum	7	13.05	7	13.30	7	20.20	7	22.08	British	Ellerman & Bucknall	439.8	54.1	24.0	New York, N. Y.	Bluff, N. Z.	General	5,309	7,161	5,374
Eclipse	7	13.50	7	14.00	7	21.12	8	7.29	American	American Pioneer Line	449.0	56.0	25.0	New York, N. Y.	Otaru, Japan	General, case oil	7,147	8,293	6,078
San Luis [4]			7	9.45	8	11.03	8	23.33	Panaman	United Fruit Co.	50.0	18.0	5.6	Cristobal, C. Z.	Panama, R. P.	Ballast		77	45

[4] Tanker. [8] Steel, cotton, sulphate, and general. [9] Coal, steel, and general. [10] Cotton, steel, wire rods, and tobacco.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Marsodak	30	17.45	1	6.15	1	14.10	1	14.10	American	Charles Nelson & Co.	324.0	46.2	24.8	Port Angeles, Wash.	Baltimore, Md.	Lumber, copper	3,900	3,984	2,628
El Panquiaco [11]	30	16.50	1	7.35	1	14.15	1	14.15	Panaman	Panaman Government	125.6	23.6		Balboa, C. Z.	Cristobal, C. Z.				
Benmacdhui	1	1.50	1	7.58	1	15.55	1	17.00	British	Ben Line of Leith	401.0	52.1	27.7	Vancouver, B. C.	Hampton Rds, Va. [12]	Bulk wheat	5,290	6,562	4,745
Edgehill	1	2.20	1	8.40	1	16.35	1	17.20	American	American Pioneer Line	409.6	54.2	25.5	Bangkok, Siam	New Orleans, La.	Copra, hemp, rice	5,918	7,451	5,845

[11] Revenue cutter. [12] For orders.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Middlemoor	1	5.20	1	9.10	1	17.50	1	17.50	British	W. Runciman & Co.	340.0	47.75	22.3	Portland, Oreg.	St. Thomas, V. I. [19]	Grain	4,757	4,022	2,931
Lake Benbow	1	5.55	1	10.22	1	18.17	2	1.30	American	Ford Motor Co.	250.5	45.8	20.3	Hoquiam, Wash.	New York, N. Y.	([20])	2,978	2,676	1,803
Olga [13]	4-20	8.00	1	11.05	1	20.00	4	11.45	Swedish	Baron Erland Nordenskjord.	33.0	12.0	.....	Panama Bay, R. P.	Cristobal, C. Z.	.....	.....	8	3
Hororata	1	7.38	1	10.45	1	19.30	1	23.30	British	N. Z. Shipping Co.	511.1	64.1	26.0	Lyttleton, N. Z.	London, England	Frozen, general	6,250	12,623	8,763
Capt. Edward P. Nones [14]	.....	.....	1	.....	1	.....	.....	.....	American	U. S. Army	.....	.....	.....	Pedro Miguel, C. Z.	Cristobal, C. Z.	.....	.....	.....	.....
London Merchant	1	21.30	2	6.31	2	13.25	2	13.25	British	Furness, Withy & Co.	450.4	58.0	30.0	Vancouver, B. C.	London, England	General	9,345	8,416	5,914
Edwin Christensen	2	4.38	2	7.23	2	15.25	2	20.00	American	Sudden & Christensen	410.0	51.2	24.7	Aberdeen, Wash.	New York, N. Y.	Lumber	7,999	6,603	4,932
Ebro	2	1.50	2	8.20	2	17.30	2	22.25	British	Pacific Steam Nav. Co.	450.35	57.86	28.1	Talcahuano, Chile	New York, N. Y.	General	3,843	9,291	6,301
Greylock	2	12.00	2	12.53	2	20.00	2	23.00	American	Isthmian S. S. Lines	430.7	54.3	26.4	Anacortes, Wash.	New York, N. Y.	Lumber	5,783	7,946	5,698
Steelore	3	3.55	3	5.59	3	15.50	3	15.50	American	Ore S. S. Corp.	550.3	72.2	33.6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	15,551	4,297
Elmworth [15]	2	16.25	3	7.15	3	16.00	3	16.00	British	R. S. Dalgliesh, Ltd.	400.0	52.2	25.6	Portland, Oreg.	Dublin, Ireland	Wheat	7,638	5,958	4,114
Willsolo	2	19.45	3	8.32	3	17.05	3	17.05	American	Williams S. S. Line	434.3	57.7	23.0	Everett, Wash.	New York, N. Y.	Lumber, general	8,648	7,983	5,882
Cauca [15]	2	19.10	3	8.37	3	17.45	6	6.00	Colombian	National Navigation Co.	107.48	22.97	10.0	Buenaventura, Col.	Cristobal, C. Z.	([21])	185	238	163
Hagood [1]	2	20.30	3	9.24	3	18.40	3	18.40	American	Cities Service Trans. Co.	435.6	56.2	23.0	Los Angeles, Calif.	Philadelphia, Pa.	Fuel oil	10,680	7,426	5,094
Dinteldijk [15]	3	4.00	3	10.10	3	18.25	4	3.00	Dutch	Holland-American Line	485.0	62.0	29.8	Vancouver, B. C.	Rotterdam, Holland	Wheat, general	9,085	10,786	7,551
City of Victoria	3	8.00	3	10.37	3	19.38	6	1.15	British	British-Canadian Line	411.5	54.1	23.8	Vancouver, B. C.	Antwerp, Belgium	Lumber	6,857	6,597	4,989
Dos Hermanos [16]	3	8.00	3	9.21	3	18.45	4	12.00	Panaman	Isth. Land & Fruit Co.	45.0	12.0	5.0	El Real, R. P.	Cristobal, C. Z.	Bananas	.....	17	13
Panaman	3	5.44	3	11.11	3	19.45	3	19.45	American	Amer.-Hawaiian Line	407.7	53.7	25.6	Portland, Oreg.	Boston, Mass.	General	6,507	7,098	5,029
Guayaquil	2	23.34	3	12.09	3	20.21	5	00.55	American	Panama R. R. S. S. Line	251.0	43.6	17.5	Guayaquil, Ecuador	New York, N. Y.	General	1,789	2,874	1,944
Adolf Van Baeyer	3	11.00	3	13.09	3	22.00	5	23.09	German	Hamburg-American Line	409.8	53.9	18.0	Champerico, Guat.	Hamburg, Germany	General	2,178	7,173	5,514
Mystic	3	11.50	3	14.18	3	22.45	3	22.45	American	Munson S. S. Line	400.7	54.2	25.0	Seattle, Wash.	Philadelphia, Pa.	Lumber, general	7,600	6,623	4,625
Dorcas [17]	.....	.....	3	.....	3	.....	.....	.....	American	Matthew A. Jones	26.6	6.7	2.6	Balboa, C. Z.	Gatun Lake, C. Z.	.....	.....	.....	.....
Leda [15]	2	21.30	4	5.31	4	14.15	4	14.15	Danzig	Standard Oil Co. of N. J.	470.06	63.21	25.0	Talara, Peru	Hamburg, Germany	Naphtha	10,000	9,346	6,063
Storsten [15]	3	10.00	4	6.33	6	11.00	6	13.15	Norwegian	Tonsberg Rederi, A.S.	400.0	52.5	24.0	Los Angeles, Calif.	Land's End, Eng. [19]	Benzine	6,947	5,414	3,777
Andrea F. Luckenbach	3	14.45	4	7.09	4	17.50	4	17.50	American	Luckenbach Line	496.0	68.0	29.4	Seattle, Wash.	Philadelphia, Pa.	Lumber, general	11,600	11,487	8,762
Acajutla	3	16.00	4	7.21	4	18.35	.....	.....	British	Pacific Steam Nav. Co.	215.7	33.5	17.0	Champerico, Guat.	Cristobal, C. Z.	([22])	1,093	1,273	706
Dusan Silni	3	17.30	4	8.09	4	19.20	4	20.25	Yugoslav	Raburizza & Co.	432.0	53.0	25.6	Antofagasta, Chile	Alexandria, Egypt	Nitrates	8,300	6,429	4,379
Mendocino [1]	3	21.15	4	8.53	4	19.45	4	22.35	Norwegian	Pan-Amer. Pet. & Tr. Co.	425.0	57.0	27.0	Los Angeles, Calif.	Rio de Janerio, Br.	Fuel oil	9,667	7,118	5,107
Chateau Thierry [18]	3	13.00	4	9.20	4	17.30	5	13.22	American	U. S. Army	448.0	58.0	25.0	San Francisco, Cal.	New York, N. Y.	Army supplies	1544	.....	.....
Dixie Arrow [5]	4	1.20	4	9.55	4	20.00	4	20.00	American	Standard Transp. Co.	468.3	62.7	27.10	San Francisco, Cal.	New York, N. Y.	Gas oil	13,600	9,744	7,140
Turkestan	4	1.30	4	10.18	4	21.20	5	00.20	British	Hindustan S. S. Co.	364.8	51.1	23.6	Portland, Oreg.	Dublin, Ireland	Wheat	6,654	4,749	3,143
Otterpool	4	1.00	4	10.59	4	21.30	4	23.30	British	Sir. R. Roper & Co.	390.0	55.0	23.9	Prince Rupert, B.C.	Hampton Rds, Va. [19]	Wheat	7,820	5,926	4,262

[1] Tanker. [13] Yacht. [14] Tug. [15] Motorship. [16] Motor schooner. [17] Launch. [18] Transport. [19] For orders. [20] Lumber and auto parts. [21] Coffee, hides, and platinum.
[22] Coffee, sugar, and hides.

Hugoton [2]	4	2.25	4	11.21	4	22.40	4	22.40	American	C. D. Mallory & Co.	434.8	56.2	28.0	Los Angeles, Calif.	San Juan, P. R.	Crude oil	10,624	7,429	5,147
Gaelicstar	3	23.30	4	12.17	4	21.30	4	21.30	British	Blue Star Line	389.8	53.25	24.5	Seattle, Wash.	London, England	General, frozen	4,428	6,014	4,480
Ethan Allen	4	5.30	4	13.12	4	23.45	4	23.45	American	American-Pioneer Line	439.0	60.0	27.9	Iloilo, P. I.	Boston, Mass.	Sugar	10,996	8,978	6,525
Santa Tecla	4	11.15	4	14.25	5	1.05	5	1.05	American	N. O. & S. A. S. S. Line	298.6	49.0	21.0	Iquique, Chile	New Orleans, La.	Nitrate	3,502	2,832	1,803
Celticstar	4	21.50	5	6.20	5	14.10	5	14.10	British	Blue Star Line	390.0	53.2	27.2	Vancouver, B. C.	Hamburg, Germany	General	6,021	6,034	4,332
Cubore [15]	5	1.50	5	7.12	5	15.30	5	15.30	American	Ore S. S. Corp.	450.6	57.2	30.6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	10,500	7,956	4,866
Heffron	5	4.50	5	8.14	5	16.45	5	16.45	American	Heffron S. S. Co.	440.0	56.0	26.10	Everett, Wash.	Newark, N. J.	Lumber	8,180	8,299	6,087
Canadian Beaver	5	7.00	5	9.12	5	18.00	6	2.00	British	Can. Gov. Mer. Marine	251.0	43.69	20.3	Vancouver, B. C.	Trinidad, B. W. I.	General	2,471	2,526	1,607
No. 280 [23]	5	7.30	5	9.43	5	17.20	7	16.33	American	U. S. Navy	314.0	33.0	11.0	San Diego, Calif.	Newport, R. I.				
Santa Maria [1]	5	1.55	5	12.12	5	20.16	7	6.50	American	Union Oil Co. of Calif.	460.0	60.0	31.10	Los Angeles, Calif.	Cristobal, C. Z.	Feul oil	12,000	8,746	5,679
General G. W. Getty [24]			5	15.22	5				American	U. S. Army	98.0	22.0		Balboa, C. Z.	Pedro Miguel, C. Z.				
Cities Service Fuel [1]	6	00.14	6	6.57	6	15.20	6	15.20	American	Cities Service Trans. Co.	389.0	54.7	27.6	Los Angeles, Calif.	Philadelphia, Pa.	Fuel oil	8,372	6,190	4,381
Tuste n [1]	6	2.30	6	7.24	6	16.45	6	16.45	American	Atlantic Refining Co.	423.0	57.2	28.10	Los Angeles Calif.	Habana, Cuba	Fuel oil	10,950	7,204	4,768
Sutorpeo	6	00.10	6	8.52	6	17.00	6	17.00	American	Transmarine Lines	324.0	46.2	22.6	Raymond, Wash.	New York, N. Y.	Lumber	4,200	3,984	2,612
Ohioan	6	6.03	6	10.42	6	17.45	6	17.45	American	Amer.-Hawaiian Line	407.7	53.7	24.0	Seattle, Wash.	New York, N. Y.	General	5,293	7,112	4,956
Glenpark	6	10.30	6	11.43	6	19.25	6	22.25	British	J. & J. Denholm	230.0	41.15	13.0	Pt. Armuelles, R.P.	Cienfuegos, Cuba	Ballast		2,242	1,413
Sucarseco	6	11.45	6	12.47	6	21.45	7	14.30	American	Transmarine Lines	324.0	46.2	23.6	Englewood, B. C.	New York, N. Y.	Lumber	3,868	3,984	2,628
Amerikaland [15]	6	20.00	7	6.00	7	14.50	7	14.50	Swedish	Ore S. S. Corp.	561.0	72.2	33.6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	21,000	15,560	4,496
Japan Arrow [1]	6	10.40	7	7.04	7	15.25	7	15.25	American	Standard Transp. Co.	468.3	62.7	27.5	Los Angeles, Calif.	Providence, R. I.	Gasoline	11,527	10,084	7,426
W. H. Libby [1]	6	21.00	7	8.07	7	17.05	7	17.05	American	Standard Oil Co. of N. J.	462.45	60.2	27.9	Los Angeles, Calif.	Baltimore, Md.	Gasoline	10,636	8,461	6,104
Bennekom	7	2.00	7	8.55	7	17.52	8	9.25	Dutch	Royal Neth. W. I. Mail	449.7	58.25	25.10	Valparaiso, Chile	Dunkirk, France	Nitrate, general	8,226	7,849	5,806
Isis [15]	7	4.30	7	10.11	7	18.00	7	20.15	German	United American Line	376.12	51.76	25.0	Vancouver, B. C.	Antwerp, Belgium	General	6,620	5,788	4,027
Stella	6	23.00	7	10.28	7	18.55			Norwegian	Panama Mail S. S. Co.	195.1	32.9	16.8	Champerico, Guat.	Cristobal, C. Z.	Coffee, wood, etc.	1,243¼	985	606
Cape Henlopen [2]	7	7.00	7	10.37	7	19.15	7	19.15	American	California Pet. Co.	434.8	56.2	23.0	Los Angeles, Calif.	Boston, Mass.	Fuel oil	9,476	7,425	5,202
Madras City	7	9.30	7	11.46	7	20.35	7	20.35	British	W. R. Smith & Sons	377.0	53.55	26.0	Vancouver, B. C.	London, England	Wheat	7,920		
Atrato [15]	7	10.35	7	12.46	7	20.50			Colombian	Colombian Transp. Co.	94.2	24.0	7.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee, gold	130		

[1] Tanker. [23] Destroyer. [24] Tug. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
May 1	Heredia	United Fruit Co.	New Orleans, La.
May 1	Calamares	United Fruit Co.	Port Limon, Costa Rica.
May 2	Tulsa [25]	U. S. Navy	Pto. Cabezas, Nicaragua.
May 2	Pastores	United Fruit Co.	New York via Habana.
May 3	Crynssen	Royal Netherlands W. I. Mail	Amsterdam via wayports.
May 4	Coppename	United Fruit Co.	Port Limon, Costa Rica.
May 4	San Bruno	United Fruit Co.	Boston via Habana.
May 4	Suriname	United Fruit Co.	New Orleans, La.
May 4	Sixaola	United Fruit Co.	New York via Kingston.
May 4	Tivives	United Fruit Co.	Colombian ports.
May 4	U. D. Vinton [26]	G. I. Bryan	Colon, R. P.

* DEPARTURES.

Date.	Vessel.	Line.	For—
May 1	Calamares	United Fruit Co.	New York via Habana.
May 1	Galicia	Hamburg-American Line	Port Limon, Costa Rica.
May 1	Ancon	Panama Railroad S. S. Line	New York via Haiti.
May 2	Heredia	United Fruit Co.	New Orleans via wayports.
May 4	Crynssen	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.
May 4	Coppename	United Fruit Co.	New Orleans, La.
May 4	Pastores	United Fruit Co.	Port Limon, Costa Rica.
May 4	San Bruno	United Fruit Co.	Boston via wayports.
May 4	U. D. Vinton [26]	G. I. Bryan	Bluefields, Nicaragua.
May 4	Inapaquina [27]	United Fruit Co.	Colon, R. P.
May 5	Tivives	United Fruit Co.	New York via Kingston.

[25] Cruiser. [26] Schooner. [27] Motor schooner.

* Other than ships passing through the Canal.

(Continued on page 536, column 2.)

Commercial Traffic Through the Panama Canal in April, 1927, by Trade Routes.

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross	Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	79	323,149	414,096	521,826	321,963	$352,659.51	250,362
East coast of United States to west coast of South America:							
British	6	27,886	34,758	47,851	23,377	28,824.06	12,613
Chilean	1	3,512	4,[illegible]5	7,310	3,976	4,390.00	1,802
Danish	2	10,830	14,759	16,265	9,337	10,626.48	.....
Norwegian	1	825	1,192	1,427	815	1,031.25	1,950
Swedish	2	7,486	8,917	30,[illegible]	8,762	6,429.24	.....
United States	11	37,081	44,753	64,761	37,247	36,292.72	17,807
Totals	23	87,620	109,084	168,299	89,014	87,584.75	34,172
East coast of United States to Far East:							
British	8	30,304	40,858	48,496	30,328	37,880.00	46,929
Japanese	5	21,893	25,214	31,143	20,703	27,175.20	34,464
Norwegian	1	2,923	4,591	4,994	2,939	3,653.75	4,600
United States	6	26,049	34,818	39,270	24,102	32,561.25	44,694
Totals	20	81,169	105,451	123,813	78,052	101,270.20	130,687
Europe to west coast of United States:							
Belgian	1	6,279	6,362	8,247	5,978	4,709.25	.....
British	11	42,628	52,513	69,234	43,071	39,659.45	15,250
French	1	3,188	3,806	5,009	2,759	2,740.32	.....
Norwegian	3	10,269	14,255	16,696	10,284	10,130.43	7,555
United States	2	10,225	14,568	16,483	10,127	10,894.86	9,432
Totals	18	72,589	91,504	115,669	72,219	68,134.31	32,237
Europe to west coast of South America:							
British	5	23,994	29,886	39,484	24,471	29,992.50	12,706
Dutch	2	6,549	7,993	10,889	6,347	8,186.25	8,780
French	3	11,018	12,910	16,562	10,928	13,639.55	4,556
German	4	12,990	16,094	21,266	12,956	16,237.50	21,353
Italian	1	3,474	4,280	6,161	3,483	4,342.50	930
Totals	15	58,025	71,163	94,362	58,185	72,398.30	48,325
Europe to west coast of Canada:							
British	7	27,513	35,151	44,67[illegible]	27,637	33,134.02	10,893
Dutch	1	4,547	7,056	7,310	4,495	5,683.75	8,355
French	1	3,232	4,122	5,186	3,2[illegible]	4,04[illegible].00	4,373
German	1	3,010	4,979	5,098	3,007	3,762.50	7,409
Italian	1	4,686	5,552	7,714	4,662	5,857.50	3,940
Norwegian	1	2,929	3,706	4,821	2,969	3,661.25	5,379
Totals	12	45,917	60,566	74,808	46,020	56,139.02	40,349
East coast of United States to Australasia:							
British	8	31,239	43,009	50,234	31,355	39,048.75	39,176
United States	2	7,799	10,427	11,719	7,347	9,748.75	8,185
Totals	10	39,038	53,436	61,953	38,702	48,797.50	47,361
Cristobal, C. Z., to west coast of South America:							
Colombian	2	245	255	386	234	296.85	427
German	2	1,307	1,607	2,337	1,297	1,157.04	.....
Panaman	1	113	124	207	109	89.28	.....
Peruvian	1	1,506	2,951	4,744	2,673	1,882.50	359
Swedish	1	344	421	658	436	430.00	838
Totals	7	3,515	5,358	8,332	4,749	3,855.67	1,624
Europe to Australasia:							
British	6	37,920	50,004	61,746	38,377	47,400.00	37,363
French	1	2,861	3,291	4,785	2,899	3,576.25	4,690
Totals	7	40,781	53,295	66,531	41,276	50,976.25	42,053

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Cristobal, C. Z., to west coast of United States:							
Panaman	1	1,383	2,603	2,461	1,384	$1,728.75	1,480
United States	5	20,112	24,982	30,464	19,933	18,453.86	1,755
Totals	6	21,495	27,585	32,925	21,317	20,187.61	3,235
Foreign vessels in ballast—United States coastwise:							
British	2	6,746	10,859	11,432	6,693	6,834.98	.....
German	1	1,313	1,337	1,535	1,169	984.75	.....
Norwegian	1	4,444	5,107	7,032	4,412	3,677.04	.....
Swedish	1	2,565	3,708	4,257	2,862	2,669.76	.....
Totals	5	15,068	21,011	24,256	15,136	14,166.53	.....
East coast of South America to west coast of United States:							
British	1	7,534	8,463	12,929	7,449	6,993.36	.....
Norwegian	1	2,728	4,722	4,624	2,765	3,410.00	6,300
United States	1	3,517	4,969	5,550	3,517	4,396.25	5,716
Totals	3	13,779	18,174	22,203	13,722	13,999.61	12,016
Cristobal, C. Z., to west coast of Central America:							
British	2	1,286	1,441	2,298	1,304	1,607.50	2,226
Norwegian	1	485	606	855	482	436.32	.....
Totals	3	1,771	2,047	3,153	1,786	2,043.82	2,226
East coast of Canada to Australasia:							
British	3	10,866	13,639	17,819	10,861	13,582.50	10,782
East coast of Canada to west coast South America:							
British	2	9,559	11,093	16,101	9,558	7,986.96	.....
East coast of United States to west coast of Canada:							
United States	2	7,463	9,962	11,844	7,461	9,328.75	16,568
East coast of United States to west coast of Central America:							
British	1	1,264	1,413	1,974	1,194	1,580.00	2,226
Norwegian	1	2,519	3,180	3,779	2,391	3,148.75	4,084
Totals	2	3,783	4,593	5,753	3,585	4,728.75	6,310
West Indies to Far East:							
British	1	3,243	4,092	5,240	3,221	4,053.75	7,150
East coast of South America to Far East:							
Japanese	1	5,924	7,292	9,446	5,919	7,405.00	1,107
West Indies to Australasia:							
British	1	2,060	2,590	3,178	1,904	2,575.00	4,802
East coast of Central America to west coast of United States:							
United States	1	4,149	4,959	6,653	4,154	3,570.48	.....
South American intercoastal:							
British	1	424	806	944	482	539.00	160
Canadian intercoastal:							
British	1	3,255	4,094	5,404	3,331	4,068.75	1,600
Central American intercoastal:							
Danish	1	1,653	1,910	2,624	1,668	2,066.25	1,776
East coast of Canada to west coast United States:							
United States	1	6,020	8,033	9,648	6,020	5,783.76	.....
Europe to west coast of Central America:							
German	1	2,550	3,392	4,177	2,538	3,187.50	2,427
Totals, April, 1927	226	864,865	1,109,275	1,417,042	862,833	960,971.53	697,329
Totals, April, 1926	229	838,097	1,072,819	1,372,240	838,659	954,071.70	742,203
Totals April, 1925	194	762,350	957,036	1,225,715	762,163	863,198.59	655,078

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	TONNAGE. United States equivalent	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	75	327,319	415,353	524,253	326,291	$408,882.45	673,395
West coast of South America to east coast United States:							
British	3	9,387	12,062	16,039	9,793	11,733.75	12,880
Chilean	1	3,479	4,672	7,289	3,886	4,348.75	5,146
Danish	1	4,519	3,595	5,886	3,658	4,493.75	8,695
Danzig	1	5,485	8,167	8,952	5,096	6,856.25	13,000
Dutch	1	2,219	3,268	3,598	2,180	2,773.75	5,588
Norwegian	5	10,010	11,801	15,684	9,665	12,443.50	23,792
Panaman	1	4,014	4,897	6,386	4,067	5,017.50	8,889
Peruvian	4	3,683	3,785	5,413	3,340	4,416.95	5,303
Swedish	1	3,743	4,421	15,339	4,377	4,678.75	20,000
United States	13	49,168	58,247	82,323	49,242	61,254.45	140,417
Totals	31	95,707	114,915	166,909	95,304	118,017.40	243,710
West coast of South America to Europe:							
British	5	22,807	27,769	37,347	22,979	28,508.75	31,249
Dutch	1	4,853	7,660	8,670	4,709	6,066.25	11,806
French	2	8,418	9,995	13,531	8,495	10,522.50	17,932
German	4	12,821	18,599	21,003	12,777	16,026.25	29,171
Italian	2	8,291	9,239	12,425	7,424	10,089.35	5,740
Peruvian	5	4,700	4,960	6,759	3,753	5,845.75	3,563
Spanish	2	6,376	8,014	10,841	6,389	7,970.00	7,849
Totals	21	68,266	86,146	110,576	66,526	85,028.85	107,310
West coast of Canada to Europe:							
British	10	38,907	53,074	62,691	38,884	48,633.75	82,635
Danish	1	4,257	5,341	6,650	4,247	5,321.25	9,644
French	2	8,456	10,512	13,699	8,489	10,570.00	16,405
German	1	2,620	4,023	4,453	2,621	3,275.00	6,243
Italian	1	5,249	5,934	7,061	4,469	6,561.25	8,827
Japanese	1	5,129	5,174	6,781	5,054	6,208.80	8,787
Swedish	1	3,406	5,661	5,642	4,320	4,257.50	7,896
United States	2	6,580	9,867	10,686	6,565	8,225.00	15,727
Totals	19	74,604	99,586	117,663	74,640	93,052.55	156,174
West coast of Canada to east coast United States:							
Italian	1	4,693	4,784	6,097	3,899	5,866.25	6,838
Japanese	1	3,530	4,469	5,342	3,320	4,412.50	4,657
United States	12	35,877	48,721	57,846	35,677	44,846.25	74,585
Totals	14	44,100	57,974	69,285	42,896	55,125.00	86,080
West coast of United States to Europe:							
British	6	29,364	37,791	50,306	30,887	36,705.00	34,367
Danzig	1	5,207	5,927	8,744	5,026	6,508.75	11,506
Japanese	2	8,731	8,796	11,740	8,532	10,555.20	15,336
Norwegian	3	14,038	15,772	21,697	13,718	17,547.50	28,206
Totals	12	57,340	68,286	92,487	58,163	71,316.45	89,415
West coast of South America to Cristobal, C. Z..							
British	1	424	806	944	482	530.00	.....
Colombian	3	1,329	1,658	2,305	1,368	1,661.25	918
Ecuadorian	1	302	307	405	308	373.20	522
Germany	2	1,307	1,607	2,337	1,297	1,633.75	1,648
Norwegian	1	344	421	658	436	430.00	749
Panaman	1	113	124	207	109	141.25	243
Peruvian	1	1,506	2,951	4,744	2,673	1,882.50	1,647
Totals	10	5,325	7,874	11,600	6,673	6,651.95	5,727
West coast of United States to Cristobal, C. Z.:							
Panaman	2	2,767	5,209	7,288	5,188	3,458.75	4,777
United States	4	18,727	23,238	30,132	18,452	23,408.75	47,470
Totals	6	21,494	28,447	37,420	23,640	26,867.50	52,247

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Australasia to Europe:							
British	5	26,556	35,569	43,646	26,943	$33,195.00	28,866
French	1	4,777	5,472	6,037	3,747	5,971.25	5,307
Totals	6	31,333	41,041	49,683	30,690	39,166.25	34,173
West coast of South America east coast of Canada:							
British	5	21,437	24,894	36,672	21,700	26,796.25	50,091
Norwegian	1	4,043	5,051	6,564	4,046	5,053.75	9,778
Totals	6	25,480	29,945	43,236	25,746	31,850.00	59,869
Australasia to east coast of United States:							
British	1	3,231	4,058	5,408	3,321	4,038.75	1,911
Norwegian	1	4,715	6,155	8,224	4,882	5,893.75	5,800
United States	3	10,823	14,548	17,438	10,822	13,528.75	4,468
Totals	5	18,769	24,761	31,070	19,025	23,461.25	12,179
West coast of Central America to Cristobal, C. Z.:							
British	2	1,262	1,357	2,266	1,252	1,577.50	1,956
Costa Rican	1	69	69	123	72	51.75	.....
Norwegian	1	485	606	855	482	606.25	1,196
Totals	4	1,816	2,032	3,244	1,806	2,235.50	3,152
Australasia to east coast of Canada:							
British	4	14,289	17,821	23,591	14,504	17,861.25	14,304
West coast of Central America to Europe:							
German	3	3,832	5,791	6,548	3,831	4,790.00	6,624
West coast of South America to Egypt:							
Japanese	2	9,399	9,844	12,607	9,284	11,559.45	17,900
Spanish	1	3,418	4,333	5,718	3,409	4,272.50	7,679
Totals	3	12,817	14,177	18,325	12,693	15,831.95	25,579
Far East to east coast United States:							
Japanese	2	6,852	8,951	10,991	6,665	8,565.00	8,486
United States	1	5,469	5,906	6,959	5,438	6,836.25	7,503
Totals	3	12,321	14,857	17,950	12,103	15,401.25	15,989
West coast of United States to east coast of Canada:							
British	1	6,630	7,678	11,309	6,845	8,287.50	15,892
United States	2	11,888	15,904	19,116	11,899	14,860.00	31,034
Totals	3	18,518	23,582	30,425	18,744	23,147.50	46,926
Philippine Islands to east coast of United States:							
Japanese	1	4,321	5,716	6,961	4,265	5,401.25	8,078
United States	2	9,911	12,838	15,202	9,646	12,388.75	21,883
Totals	3	14,232	18,554	22,163	13,911	17,790.00	29,961
West coast of United States to east coast of South America:							
Norwegian	2	8,879	10,198	14,051	8,811	11,098.75	18,120
West coast of South America to West Indies:							
British	[a] 1	.....	.....	.....	.....	2,275.50	.....
United States	1	3,468	4,264	6,580	3,379	4,335.00	7,816
Totals	2	3,468	4,264	5,580	3,379	6,610.50	7,816
West coast of United States to West Indies:							
United States	2	10,781	11,457	15,322	10,646	13,173.05	21,700
Far East to Europe:							
British	1	3,184	4,067	4,972	3,201	3,980.00	6,880

[a] British cruiser of 4,451 tons displacement.

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered gross.	Registered net.		
West coast of South America to east coast Mexico:							
German	1	4,194	5,017	6,838	4,225	$3,612.24	.....
West coast of South America to east coast Central America:							
United States	1	4,149	4,959	6,653	4,154	5,186.25	9,146
West coast of Canada to east coast of Canada:							
British	1	3,278	4,121	5,752	3,551	4,097.50	6,002
Totals, April, 1927	238	885,495	1,115,225	1,435,596	885,153	1,104,235.39	1,732,478
Totals, April, 1926	196	771,364	975,423	1,263,236	779,420	963,385.41	1,495,364
Totals, April, 1925	188	699,994	883,656	1,121,408	704,462	872,230.78	1,295,824

Foot-and-Mouth Disease.

THE PANAMA CANAL, HEALTH DEPARTMENT,
BALBOA HEIGHTS, C. Z., May 2, 1927.

TO ALL CONCERNED:

Circular regulations for the prevention of the introduction of foot-and-mouth disease into the Canal Zone or into the cities of Panama and Colon, Republic of Panama.

Regulation 1. Except as hereinafter provided, none of the animals, products, or articles specified below will be allowed entry into the Canal Zone or into the cities of Panama, Republic of Panama:

(*a*) Hay, grain, straw, or goods packed in hay or straw, except bottled goods packed in individual casings, without loose hay or straw used as additional packing.

(*b*) Chickens, or other domesticated fowls.

(*c*) Horses, mules, asses, cattle, sheep, swine, or goats, unless accompanied by American Consular certificate which states that they have come from a locality where foot-and-mouth disease does not exist.

Regulation 2. These restrictions shall apply to all of the countries of South America with the exception of Colombia, Venezuela, Dutch Guiana, and British Guiana, and shall also apply to that portion of the Republic of Mexico which is situated south and east of the Tehuantepec National Railroad which crosses the Isthmus of Tehuantepec, or to animals or articles which have been shipped via and unloaded within the said described area.

Regulation 3. None of the above-mentioned animals, animal by-products, or other materials shall be imported unless there be shown upon the consular invoice, or in some other manner satisfactory to the Chief Quarantine Officer, the name of the country of their origin, provided that the country of origin shall be construed to mean:

(*a*) In the case of animals or animal by-products, the country in which such animals were produced or such by-products were taken from an animal or animals, and

(*b*) In the case of the other articles or materials the country in which such articles or materials were produced.

Regulation 4. Hay, grain, straw, or goods packed in hay or straw arriving from South American countries and the southern part of Mexico, against which these regulations apply, when accompanied by a consular invoice containing the information required by Regulation No. 3, may be permitted to land, provided that (1) the hay, grain, straw, or goods shall be unloaded from the steamer upon which it arrives and immediately be loaded into closed railroad cars; the cars be taken to the yards of the Panama Railroad Company; and the contents be fumigated in the cars by formaldehyde gas in the strength prescribed by the United States Quarantine Regulations (par. 176–1), 18 hours exposure. The goods or products may be released upon completion of the fumigation. (2) In lieu of the fumigation prescribed in (1) above, the hay, grain, straw, or goods may be immediately unloaded from the steamer into trucks or railroad cars, transported to a storehouse approved by the Chief Health Officer, and there held in storage for a period of 90 days, such 90-day period to be computed from the date upon which the vessel bringing the goods or products sailed from the port at which they were loaded. Upon the expiration of the 90-day period of storage, the goods or products may be released.

Regulation 5. Bran, middlings, and other mill feed; corn, oats, wheat, rye, barley, buckwheat, and other grains and materials for use in the feeding of live stock, or other things susceptible of being turned into food for live stock, may be imported from any country without disinfection or the other restrictions provided in these regulations, upon compliance with the requirements of Regulation No. 3 as regards consular invoices, when the certificate of the United States Consular Officer shows that they have been sacked in a mill in new bags which have not been previously used for any purpose, or in clean bags which are certified as having been disinfected by being subjected to the action of live steam at a uniform temperature of not less than 212° Farenheit (100° C) for a period of not less than 20 minutes, and have been transferred from the mill in clean cars, trucks, or barges that have not been used for the transportation of animals (unless such cars, trucks, or barges have been thoroughly cleaned and disinfected to the satisfaction of the Consular Officer), directly to the vessel transporting the materials to the Canal Zone.

Regulation 6. These regulations shall apply to animals or articles intended for final disposition in the Canal Zone or the cities of Panama and Colon, Republic of Panama, or for transshipment to other points.

Regulation 7. In special instances, at the discretion of the Chief Quarantine Officer, the animals prohibited by Regulation No. 1, paragraph (*c*), may be allowed entry upon written application from the shippers prior to shipment, provided the animals in question are subjected before entry to such disinfection or detention as he may deem necessary.

Regulation 8. Other articles of cargo or baggage, and ships carrying same, will be disinfected at the discretion of the Chief Quarantine Officer. Hides and skins must be accompanied by an American Consular certificate of disinfection, or of the nonexistence of foot-and-mouth disease.

Regulation 9. No animal by-product taken or removed from an animal affected with anthrax, foot-and-mouth disease, or rinderpest shall be imported under any circumstances.

Regulation 10. The procedures prescribed in these regulations shall be at owner's or importer's risk and expense.

Regulation 11. These regulations will become effective with regard to any shipments clearing subsequent to the date of promulgation. All circulars, orders, and regulations in conflict with the provisions of these regulations are hereby revoked.

J. D. LONG,
Acting Chief Quarantine Officer.

Approved:
M. L. WALKER,
Governor.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending May 7, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
Chateau Thierry	U. S. Army	May 3	May 4	532	166
Guayaquil	Panama Railroad S. S. Line	May 3	May 3	.....	83
City of San Francisco	Panama Mail S. S. Co	May 6	May 6	.....	1
President Wilson	Dollar Line	May 6	May 6	.....	1
Stella	Alf Jakneiln	May 6	May 7	1	.....

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large covered piers for the storage of cargo. These are modern structures, fireproof, ratproof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Traffic by Nationality for April, 1927.

The following tabulations show the commercial traffic through the Canal during the month of April, 1927, classified according to nationality of vessels by direction of transit, and the combined traffic in both directions, together with corresponding totals for April, 1926 and 1925:

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
Belgian	1	6,279	6,362	8,247	5,978	$4,709.25	.....
British	66	267,721	344,719	438,233	270,134	304,851.58	203,876
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	1,802
Colombian	2	245	255	386	234	296.85	427
Danish	1	1,653	1,910	2,624	1,668	2,066.25	1,776
Danzig	2	10,830	14,759	16,265	9,337	10,626.48	.....
Dutch	3	11,096	15,049	18,199	10,842	13,870.00	17,135
French	6	20,299	24,129	31,542	19,786	23,996.12	13,619
German	9	21,170	27,409	34,413	21,017	25,329.29	31,189
Italian	2	8,160	9,832	13,875	8,145	10,200.00	4,870
Japanese	6	27,817	32,506	40,589	26,622	34,580.20	35,571
Norwegian	10	27,122	37,329	44,138	27,057	29,148.79	29,868
Panaman	2	1,496	2,727	2,668	1,493	1,818.03	1,480
Peruvian	1	1,506	2,951	4,744	2,673	1,882.50	359
Swedish	4	10,395	13,046	35,591	12,060	9,520.00	838
United States	110	445,564	571,587	718,218	441,811	483,686.19	354,519
Totals, April, 1927	226	864,865	1,109,275	1,417,042	862,833	960,971.53	697,329
Totals, April, 1926	229	838,097	1,072,819	1,372,240	838,659	954,071.70	742,203
Totals, April, 1925	194	762,359	957,036	1,225,715	762,163	863,198.59	655,078

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
British	[1] 46	180,756	231,067	300,943	184,342	$228,220.50	287,033
Chilean	1	3,479	4,672	7,289	3,886	4,348.75	5,146
Colombian	3	1,329	1,658	2,305	1,368	1,661.25	918
Costa Rican	1	69	69	123	72	51.75	.....
Danish	2	8,776	8,936	12,536	7,905	9,815.00	18,339
Danzig	2	10,692	14,094	17,696	10,122	13,365.00	24,506
Dutch	2	7,072	10,928	12,268	6,889	8,840.00	17,394
Ecuadorian	1	302	307	405	308	373.20	522
French	5	21,651	25,889	33,267	20,731	27,063.75	39,644
German	11	24,774	35,037	41,179	24,751	29,337.24	43,686
Italian	4	18,233	19,957	25,583	15,783	22,516.85	21,405
Japanese	9	37,962	42,950	54,422	37,120	46,702.20	63,244
Norwegian	14	42,514	50,004	67,733	42,040	53,073.50	87,641
Panaman	4	6,894	10,230	13,881	9,364	8,617.50	13,909
Peruvian	10	9,889	11,696	16,916	9,766	12,145.20	10,513
Spanish	3	9,794	12,347	16,559	9,798	12,242.50	15,528
Swedish	2	7,149	10,082	20,981	8,697	8,936.25	27,896
United States	118	494,160	625,302	791,510	492,211	616,924.95	1,055,154
Totals, April, 1927	238	885,495	1,115,225	1,435,596	885,153	1,104,235.39	1,732,478
Totals, April, 1926	196	771,364	975,428	1,263,236	779,420	963,385.41	1,405,364
Totals, April, 1925	188	699,994	883,656	1,121,408	704,462	872,230.78	1,295,824

[1] Includes cruiser of 4,451 tons displacement.

COMBINED TRAFFIC.

Nationality.	No. of vessels.	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered. Gross.	Tonnage. Registered. Net.	Tolls.	Tons of cargo.
Belgian	1	6,279	6,362	8,247	5,978	$4,709.25	.....
British	[1] 112	448,477	575,786	739,176	454,476	533,072.08	490,909
Chilean	2	6,991	9,377	14,599	7,862	8,738.75	6,948
Colombian	5	1,574	1,913	2,691	1,602	1,958.10	1,345
Costa Rican	1	69	69	123	72	51.75	.....
Danish	3	10,429	10,846	15,160	9,573	11,881.25	20,115
Danzig	4	21,522	28,853	33,961	19,459	23,991.48	24,506
Dutch	5	18,168	25,977	30,467	17,731	22,710.00	34,529
Ecuadorian	1	302	307	405	308	373.20	522
French	11	41,950	50,018	64,809	40,517	51,059.87	53,263
German	20	45,944	62,446	75,592	45,768	54,666.53	74,875
Italian	6	26,393	29,789	39,458	23,928	32,716.85	26,275
Japanese	15	65,779	75,456	95,011	63,742	81,282.40	98,815
Norwegian	24	69,636	87,333	111,871	69,097	82,222.29	117,509
Panaman	6	8,390	12,957	16,549	10,857	10,435.53	15,389
Peruvian	11	11,395	14,647	21,660	12,439	14,027.70	10,872
Spanish	3	9,794	12,347	16,559	9,798	12,242.50	15,528
Swedish	6	17,544	23,128	56,572	20,757	18,456.25	28,734
United States	228	939,724	1,196,889	1,509,728	934,022	1,100,611.14	1,409,673
Totals, April, 1927	464	1,750,360	2,224,500	2,852,638	1,747,986	2,065,206.92	2,429,807
Totals, April, 1926	425	1,609,461	2,048,247	2,635,476	1,618,079	1,917,457.11	2,237,567
Totals, April, 1925	382	1,462,344	1,840,692	2,347,123	1,466,625	1,735,429.37	1,950,902

[1] Includes cruiser of 4,451 tons displacement.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending May 7, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Almelo	Royal Netherlands W. I. Mail	.....	May 1	.....	182½
Grootendijk	Holland-American Line	.....	May 1	.....	49
Galicia	Hamburg-American Line	.....	May 1	.....	120
Ancon	Panama Railroad S. S. Line	.....	May 1	.....	2,320
Santos	Johnson Line	May 1	May 1	179	([1])
Calamares	United Fruit Co	May 1	May 1	32	68
Perene	Peruvian Line	.....	May 2	.....	36
Heredia	United Fruit Co	May 1	May 2	77	79
Ville de Verdun	French Line	May 1	May 2	([2])	222
Ebro	Pacific Steam Navigation Co	May 1	May 2	4	66
Arkansas	French Line	May 1	May 2	3	96
Pastores	United Fruit Co	May 2	May 4	534	12
Crynssen	Royal Netherlands W. I. Mail	May 3	May 4	42	([1])
Dinteldijk	Holland-American Line	May 3	May 4	([2])	276
Knute Nelson	Norway-Pacific Line	May 3	May 4	([2])	318½
Dos Hermanos	Isthmian Land & Fruit Co	May 3	May 4	16½	([1])
Gladiator	Harrison Line	May 3	May 4	445	([1])
Adolf von Baeyer	Hamburg-American Line	May 3	May 5	337	1,463
Guayaquil	Panama Railroad S. S. Line	May 3	May 5	468	98
Cauca	National Navigation Co	May 3	May 6	185	337
Acajutla	Pacific Steam Navigation Co	May 4	.....	1,093	.....
San Bruno	United Fruit Co	May 4	May 4	8	64
U. D. Vinton	G. and N. Bryan	May 4	May 4	([2])	23½
Magellan	Pacific Steam Navigation Co	.....	May 4	.....	72
Coppename	United Fruit Co	May 4	May 4	2	543
Sixaola	United Fruit Co	May 4	May 5	302	571
Suriname	United Fruit Co	May 4	May 5	832	224
Tivives	United Fruit Co	May 4	May 5	1½	110
Santa Maria	Union Oil Co	May 5	May 7	12,000	([1])
Virginia	Standard Fruit S. S. Co	May 5	May 5	266	8
Heluan	Hamburg-American Line	May 6	.....	1,105	.....
City of San Francisco	Panama Mail S. S. Co	.....	May 6	.....	2,562½
Puerto Rico	French Line	May 6	May 7	34	859
Crynssen	Royal Netherlands W. I. Mail	May 6	May 7	1	1,005
Cartago	United Fruit Co	May 7	.....	472	.....
Atrato	Colombian Transport Co	May 7	.....	130	.....
Bennekom	Royal Netherlands W. I. Mail	May 7	.....	500	.....
Stella	Panama Mail S. S. Co	May 7	.....	1,243	.....
Virginia	Standard Fruit S. S. Co	May 7	May 7	([2])	340

[1] No cargo laded. [2] No cargo discharged.

Current Net Prices on Fuel Oil, Diesel Oil and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.15 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $9.00 per ton of 2,240 pounds at Cristobal, and $12.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $9.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $10.00 per ton at Cristobal, $13.00 at Balboa. If less than 50 tons is taken from lighters, prices are $12.00 per ton at Cristobal and $15.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $10.00 Cristobal and $13.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will always save time by applying to the nearest American Consul.

Trips Through the Canal.

The following lines operating passenger vessels through the Canal carry local passengers from one terminal to the other: Panama Mail Steamship Company, Pacific Steam Navigation Company, Grace Line, Chilean Line. The Panama Mail and Chilean Line charge $6 for the trip, the others $10. The several services together afford about 4 transits of the Canal each way every week

Binders for The Panama Canal Record.

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

MOVEMENTS OF OCEAN VESSELS.—Continued from page 527.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
May 4	Inapaquina [28]	United Fruit Co	Colon, R. P.	May 5	Sixaola	United Fruit Co	Colombian ports
May 5	Virginia	Standard Fruit S. S. Co	New Orleans, La.	May 5	Suriname	United Fruit Co	Port Limon via Bocas Del Toro.
May 5	Nellie Moulton [28]	Surgeon Brothers	Colon, R. P.	May 5	Virginia	Standard Fruit S. S. Co	San Blas, R. P.
May 5	Inapaquina [28]	United Fruit Co	Colon, R. P.	May 6	Willet [29]	Merritt, Chapman & Scott	Kingston, Jamaica.
May 6	Prion	Royal Netherlands W. I. Mail	Curacao, D. W. I.	May 6	Tulsa [31]	U. S. Navy	High seas.
May 6	Puerto Rico	French Line	St. Nazaire via wayports.	May 7	Virginia	Standard Fruit S. S. Co	New Orleans, La.
May 6	Crynssen	Royal Netherlands W. I. Mail	Port Limon, Costa Rica.	May 7	Nellie Moulton [28]	Surgeon Brothers	Colon, R. P.
May 7	Virginia	Standard Fruit S. S. Co	San Blas, R. P.				
May 7	Macabi	United Fruit Co	New York via wayports.				
May 7	Cartago	United Fruit Co	New Orleans, La.				

[28] Motor schooner. [29] Tug.

PORT OF BALBOA.

May 2	Agnes E. [28]	Pacific Fruit Co	Panama Bay, R. P.	May 2	Agnes E. [28]	Pacific Fruit Co	Panama Bay, R. P.
May 3	Estrella [30]	A. Valdez	Panama Bay, R. P.	May 3	Estrella [30]	A. Valdez	Panama Bay, R. P.
May 3	Chiman [31]	Isthmian Land & Fruit Co	Chiman, R. P.	May 5	Chiman [31]	Isthmian Land & Fruit Co	Buenaventura, Colombia.
May 7	Carabobo [32]	Colombian Government	Buenaventura, Colombia.				
May 7	Panaco [33]	Grace Line	Buenaventura, Colombia.				
May 7	Epoca [31]	Gorrissen & Co	Corinto, Nicaragua.				

[30] And barge. [31] Motor ship. [32] Colombian Navy. * Other than ships passing through the Canal. [33] Launch. [34] Cruiser.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., May 18, 1927. No. 41.

Canal Traffic During First Fifteen Days of May.

During the first 15 days of May, 1927, 227 commercial vessels and 9 small nonseagoing launches transited the Canal. Tolls on the commercial vessels aggregated $970,458.04, and on the launches, $57.17, or a total tolls collection of $970,515.21.

The daily average of transits of commercial vessels was 15.13, and the daily average tolls collection, $64,697.20. The average amount of tolls paid by each of the commercial transits was $4,275.15, as compared with $4,413.06, for the first 15 days of April.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 10½ months of the current fiscal year, which will end June 30, 1927, with the daily averages of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
July	456	$1,980,719.67	14.71	$63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
January, 1927	443	1,984,760.71	14.29	64,024.54
February	449	1,994,860.82	16.03	71,245.03
March	496	2,217,913.20	16.00	71,545.59
April	464	2,065,206.92	15.46	68,840.23
May (first 15 days)	227	970,458.04	15.13	64,697.20
Totals	4,776	21,162,839.45	14.97	66,341.19

Tank Arrangements on Vessels.

THE PANAMA CANAL, DEPARTMENT OF OPERATION AND MAINTENANCE,
BOARD OF ADMEASUREMENT,
BALBOA HEIGHTS, C. Z., May 12, 1927.

MEMORANDUM FOR ALL STEAMSHIP AGENTS:

1. It has come to the attention of the Panama Canal authorities that the tank arrangements on certain vessels using the Panama Canal are not in accordance with the arrangements as shown on the back of the tonnage abstract, attached to the Panama Canal certificate, and certified to as correct, by the master of the vessel.

2. As the tonnages both under the Panama Canal and United States rules of measurement, on which toll charges are based, are effected by the tank arrangements on board the vessels, any changes made must be brought to the attention of the Canal admeasurers by the master, immediately upon the arrival of the vessel in Canal Zone waters.

3. It is requested that masters of all vessels using the Canal be notified to check up their tank arrangements with the above-mentioned list and report any changes therein, to the Canal admeasurers at once.

4. In this connection your attention is called to the fact that in order for a tank to qualify as ballast space, it must actually be connected *only* with the *bona fide* ballast system and *not* be available for any other purpose.

JOHN DOWNES,
Chairman, Board of Admeasurement.

Approved:
M. L. WALKER,
Governor.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, May 14, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Heluan	6	6 00	8	6 05	8	14 03	8	17 37	German	Hamburg-American Line	440.0	52.8	23 3	Hamburg, Germany	Valparaiso, Chile	General	5,152	7,621	5,313
Surico	7	18 05	8	7 25	8	14 51	8	15 57	American	Transmarine Lines	324.0	46.2	19 6	Houston, Texas	Los Angeles, Calif	General	2,046	3,984	2,628
Nemanja	8	6 55	8	8 20	8	15 52	8	16 48	Yugoslav	Baburizza & Co	400.0	52.0	25 0	Cardiff, England	Mejillones, Chile	(a)	5,500	5,748	4,056
Mary Weems	8	11 05	8	12 45	9	9 26	10	2 30	American	Pacific S. S. Co	299.0	45 0	15 0	New York, N. Y.	San Francisco, Cal.	Ballast		3,992	2,812
San Luis [2]			8	9 45	8	11.03			Panaman	United Fruit Co	50 0	18.0	5.6	Cristobal, C. Z.	Panama, R. P.	Ballast		77	45
Quail [3]			8	10 10	8	17 44			American	U. S. Navy	180 0	35.6		Cristobal, C. Z.	Balboa, C. Z.	(10)			
Halsey [4]	9	00 25	9	6 20	9	13 29	9	14 50	American	Standard Oil Co	435 0	56 0	20.0	Baltimore, Md.	Los Angeles, Calif	Ballast		7,643	5,339
O-6 [4]			9	6 10	9	14 37	9	15 45	American	U. S. Navy	172.4	18.0½		Cristobal, C. Z.	Balboa, C. Z.				
O-7 [4]			9	6.10	9	14 37	9	15 45	American	U. S. Navy	172.4	18.0½		Cristobal, C. Z.	Balboa, C. Z.				
O-8 [4]			9	6 10	9	14 37	9	15.45	American	U. S. Navy	172.4	18.0½		Cristobal, C. Z.	Balboa, C. Z.				
O-9 [4]			9	6 10	9	14 37	9	15 45	American	U. S. Navy	172 4	18.0½		Cristobal, C. Z.	Balboa, C. Z.				
O-10 [4]			9	6 10	9	14 37	9	15 45	American	U. S. Navy	172.4	18.0½		Cristobal, C. Z.	Balboa, C. Z.				
Firmore	9	4 32	9	7 10	9	14 50	9	20.08	American	Ore S. S. Corp	449.1	57.2	16.0	Baltimore, Md.	Cruz Grande, Chile	Ballast		7,847	5,185
Vulcan City	9	6 25	9	8 25	9	16 02	9	17 10	British	St. Just S. S. Co	420 4	54.5	24.0	New Orleans, La.	Kobe, Japan	General	4,981	6,870	5,043
Willet [5]	9	8 40	9	8 45	9	14 54	9	18 36	American	Mer'tt Chapman & Scott	181 6	35 5	13 3	High seas	Balboa, C. Z.	Ballast		809	223
Amersfoort	8	2 15	9	9 40	9	16 07	10	1 55	Dutch	Royal Neth. W. I. Mail	483 1	62.0	21 6	Hamburg, Germany	Corral, Chile	General	4,529	10,083	6,883
Fairfield City	9	9 35	9	10 00	9	16 53	10	00 30	American	U. S. Steel Products Co	424 2	56.2	25 10	New York, N. Y.	(8)	General	8,011	7,611	5,450
Fernecliff [6]	9	10 15	9	10 40	9	17 17	9	18 36	Norwegian	Fern Line	382 7	53.4	20 5	Houston, Texas	Nagasaki, Japan	Cotton	3,770½	6,112	4,284
Swiftarrow [4]	9	6 40	9	11 00	9	18 13	10	00 30	American	Cities Service Corp	464 0	60.0	23.9	Fall River, Mass.	Los Angeles, Calif	Ballast		7,611	6,050
Corinthic	8	21 30	9	12 35	9	19 40	9	21 00	British	Shaw, Savill & Albion	499 6	63.3	29.3	London, England	Auckland, N. Z.	General	6,508	12,821	9,507
Padilla	4-26	22 55	9	13 05	9	20 53	9	23 35	Colombian	Colombian S. S. Co	247.0	43.6	15.2	Cristobal, C. Z.	Buenaventura, Col.	General	1,500	2,206	1,506
Canadian Traveller	9	13 05	9	13 15	9	21 18	9	22 15	British	Can. Gov. Mer. Marine	400.0	52.0	22.0	Halifax, N. S.	Brisbane, Australia	General	4,250	5,894	4,143
Tut [7]			9		9	11 22			American	J. J. Burton				Cristobal, C. Z.	Gatun, C. Z.	Ballast		1	1
Franklin K. Lane [4]	9	14 05	10	6 05	10	12 50	10	14 00	American	Huasteca Petroleum Co.	435.0	56.2	21.10	Baltimore, Md.	Los Angeles, Calif.	Ballast		7,405	5,131
Volunteer	9	22 30	10	6 50	10	14 05	10	19 30	American	American-Pioneer Line	410.0	56.0	26.0	Port Arthur, Texas	Cebu, P. I.	General	7,585	8,214	6,207
Kansan	10	1 23	10	7 25	10	14 50	10	15 55	American	American-Hawaiian Line	404 6	53 9	20 9	Boston, Mass	Seattle, Wash	General	4,549	6,779	4,921
Centaurus	10	4 45	10	8 45	10	16 05	10	20 30	American	Isthmian S. S. Lines	409 8	54 2	23.7	New York, N. Y.	Vancouver, B. C.	General	7,483	6,581	4,795
Willkeno	10	3 45	10	9 35	10	16 48	10	22 48	American	Williams S. S. Line	415 0	55.7	21 0	New York, N. Y.	Seattle, Wash	General	5,484	7,750	5,805
Hinnoy [4]	10	6 45	10	10 55	10	17 30	11	3 00	Norwegian	Steele S. S. Line	360 2	51.1	24 0	Galveston, Texas	Melbourne, Aus'lia	Crude sulphur	6,400	5,590	3,927
Watertown [4]	10	10 05	10	10 45	10	19 49	10	23 57	American	Tidewater Oil Co	416 9	56 2	19 0	New York, N. Y	San Francisco, Cal.	Ballast		6,717	4,778
Selma City	10	11 50	10	12 05	10	19 04	11	3 36	American	U. S. Steel Products Co	424 2	56.2	25 3	Charleston, S. C.	Shanghai, China	General	8,026	7,611	5,450
George W. Barnes [4]	10	18 05	11	6 10	11	13 25	11	14 30	American	Huasteca Petroleum Co.	416.8	56 1	22 7	London, England	Los Angeles, Calif	Ballast		6,763	4,675
Fortuna [2]	4-24	20 35	11	6 12	11	14 30	12	8 00	Colombian	Fonnemente & Co	91 0	22 0	8 3	Cristobal, C. Z.	Buenaventura, Col.	Cement	125	96	60
Swan [3]			11	6 25	11	13.24			American	U. S. Navy	180 0	35.6		Cristobal, C. Z.	Balboa, C. Z.	Ballast			
Walter A. Luckenbach	10	20 15	11	7 00	11	14 35	11	15.45	American	Luckenbach Line	470.0	56.1	26 2	Boston, Mass	Tacoma, Wash	General	6,346	8,785	6,567

[1] Tanker. [2] Motor schooner. [3] Mine sweeper. [4] Submarine. [5] Tug. [6] Motor ship. [7] Launch. [8] Singapore, Malay Peninsula. [9] Coal and patent fuel. [10] Towing barge No. 2.

Arizonan	10	22.15	11	7.50	11	16.10	11	17.05	American	American-Hawaiian Line	470.2	57.0	17.0	Charleston, S. C.	Los Angeles, Calif.	General	2,510	9,141	6,683
Storstad [6]	11	4.35	11	9.30	11	17.03	11	20.21	Norwegian	Anglo-Saxon Pet. Co.	470.0	62.2	20.6	Falmouth, England	Los Angeles, Calif.	Ballast		9,198	6,287
Feltore	11	7.50	11	10.45	11	17.59	12	1.10	American	Ore S. S. Corp.	449.0	57.2	17.0	Baltimore, Md.	Cruz Grande, Chile	Ballast		7,808	5,139
Santa Rosalia	11	9.30	11	13.40	11	21.00	11	23.45	American	U. S. Steel Products Co.	406.0	52.6	26.0	Baltimore, Md.	San Antonio, Chile	General	5,902	5,900	4,443
Dos Hermanos [3]	10	19.45	11	11.40	11	18.38	11	20.00	Panaman	Isth. Land & Fruit Co.	35.0	12.0		Cristobal, C. Z.	Panama, R. P.	Ballast		17	13
Oropesa	11	17.30	12	6.15	12	12.46	12	14.45	British	Pacific Steam Nav. Co.	530.0	66.3	24.3	Liverpool, England	Coronel, Chile	General	3,173	14,824	10,627
No. 306 [11]	11	14.55	12	6.10	12	14.02	14	11.25	American	U. S. Navy	310.0	31.0		New York, N. Y.	Balboa, C. Z.				
No. 321 [11]	11	14.55	12	6.10	12	14.02	14	11.25	American	U. S. Navy	310.0	31.0		New York, N. Y.	Balboa, C. Z.				
No. 323 [11]	11	14.55	12	6.10	12	14.07	14	11.25	American	U. S. Navy	310.0	31.0		New York, N. Y.	Balboa, C. Z.				
No. 325 [11]	11	14.55	12	6.10	12	14.07	14	11.25	American	U. S. Navy	310.0	31.0		New York, N. Y.	Balboa, C. Z.				
Mongolia	12	6.55	12	7.25	12	14.22	12	23.45	American	Panama-Pacific Line	600.0	60.0	26.6	New York, N. Y.	San Francisco, Cal.	Autos, steel, etc.	2,896	17,041	11,426
Harold Walker [1]	11	16.10	12	7.45	12	15.06	12	16.00	American	Huasteca Petroleum Co.	430.0	58.0	22.0	New York, N. Y.	Los Angeles, Calif.	Ballast		6,973	4,523
Edgar Bowling	12	3.50	12	8.15	12	15.53	12	17.00	American	Garland S. S. Corp.	410.5	54.3	15.0	New York, N. Y.	Aberdeen, Wash.	Ballast		6,567	4,909
Foyle	12	6.40	12	9.35	12	16.44	12	17.50	British	Foster Hain & Read, Ltd	400.0	53.0	20.0	Louisburg, N. S.	Sydney, Australia	General	4,052	5,695	5,215
West Cape	12	7.45	12	10.55	12	18.28	13	3.58	American	McCormick S. S. Co.	409.5	54.2	20.0	New York, N. Y.	Tacoma, Wash.	General	5,579	6,566	4,971
Edward L. Shea [1]	12	9.00	12	11.00	12	17.38	12	18.35	American	Tidewater Oil Co.	419.5	56.6	18.0	Boston, Mass.	Los Angeles, Calif.	Ballast		6,977	4,991
Canadolite [6] [1]	12	11.20	12	12.05	12	19.20	13	1.57	British	Imperial Oil Co.	510.9	68.0	23.0	Montreal, Canada	Talara, Peru	Ballast		11,556	7,658
Atrato [2]	7	20.50	12	11.50	12	20.13	13	3.00	Colombian	Colombian Transp. Co.	94.2	24.0	9.0	Cristobal, C. Z.	Buenaventura, Col.	General	145	160	92
La Paz [6]	10	3.30	12	13.30	12	20.11	13	7.47	British	Pacific Steam Nav. Co.	406.0	54.0	17.0	Hull, England	Talcahuano, Chile	General	2,915	7,216	4,912
Dochet	12	20.30	13	6.05	13	13.48	13	15.05	American	Finkbine Guild Trs. Co.	386.0	52.2	14.0	Mobile, Ala.	San Francisco, Cal.	General	3,147	5,705	4,167
Gymeric [1]	13	3.20	13	7.30	13	14.33	13	19.37	British	Andrew Weir & Co.	420.3	54.6	17.6	Swansea, England	Los Angeles, Calif.	Ballast		6,501	4,459
Arracan	13	3.40	13	10.05	13	16.30	13	17.30	British	Com'lth & Dom. Line	425.0	54.3	22.0	Philadelphia, Pa.	Sydney, Australia	General	4,091	6,456	4,818
Patrol [7]			13		13	9.24			American	C. Shildener				Cristobal, C. Z.	Gatun, C. Z.	Ballast		8	8
Mississippi	13	8.00	14	6.05	14	13.15	14	14.35	French	French Line	410.0	52.0	14.3	Havre, France	Valparaiso, Chile	General	553	7,156	4,984
Chastine Maersk [6]	13	14.38	14	6.15	14	14.07	14	15.15	Danish	A. P. Moller	378.0	50.2	26.0	Galveston, Texas	Kobe, Japan	([13])	7,117	5,526	4,066
F. Q. Barstow [1]	13	16.00	14	7.30	14	15.22	14	16.30	American	Standard Oil Co.	500.0	68.2	22.0	New York, N. Y.	Los Angeles, Calif.	Ballast		10,530	7,604
Baychimo	13	17.53	14	7.30	14	16.18	14	17.20	British	The Hudson Bay Co.	229.0	35.0	16.0	Ardrossan, England	Vancouver, B. C.	Ballast		1,362	883
Sunewco	13	20.15	14	7.15	14	16.27	14	19.28	American	Transmarine Lines	324.0	46.0	22.10	Newark, N. J.	San Francisco, Cal.	General	3,800		
Hardanger	13	20.35	14	8.30	14	17.18	14	22.23	Norwegian	General S. S. Co.	375.0	52.3	16.8	Buenos Aires, Arg.	San Francisco, Cal.	General, coffee	3,023	5,977	4,375
Oregonian	14	0.30	14	8.25	14	16.57	14	17.50	American	American-Hawaiian Line	404.6	53.8	21.0	Boston, Mass.	Portland, Oreg.	General	5,200	6,754	4,780
Point Judith	14	2.50	14	9.24	14	17.22	14	18.10	American	Swayne & Hoyt	289.0	44.5	19.0	New Orleans, La.	San Francisco, Cal.	General	2,518	2,902	1,962
Baldbutte [1]	14	3.30	14	10.25	14	17.45	14	18.35	American	McAllister Brothers	416.0	56.0	19.4	Newport News, Va.	Los Angeles, Calif.	Ballast		6,706	4,693
Oregon	14	9.15	14	10.55	14	18.35	14	19.28	American	Quaker Line	468.0	58.5	17.8	Baltimore, Md.	Los Angeles, Calif.	General	5,343	8,460	6,084
Tongking [6]	14	6.45	14	12.00	14	19.17	15	4.40	Danish	East Asiatic Co.	410.0	55.0	21.3	Copenhagen, Den'k.	Vancouver, B. C.	General, coffee	4,493	7,013	5,317
Doris [7]	13		14	9.45	14	12.14			American	United Fruit Co.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		7	7
No. 285 [12]			14	9.45	14	12.14			American	U. S. Navy				Cristobal, C. Z.	Gatun, C. Z.	Ballast		89	89
Anayasis [7]			14	9.45	14	11.12			Panaman	Panaman Government				Colon, R. P.	Gatun, C. Z.	Ballast			

[1] Tanker. [11] Destroyer. [12] Submarine chaser. [13] Phosphate, cotton, and general.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Taketoyo Maru	7	17.20	8	6.15	8	13.55	8	21.00	Japanese	Nippon Yusen Kaisha	445.0	58.0	23.4	Kobe, Japan	New York, N. Y.	General	6,467	7,972	5,687
Argon [1]	7	22.50	8	7.21	8	14.35	8	19.35	American	Standard Transp. Co.	435.0	56.0	27.6	Los Angeles, Calif.	New York, N. Y.	Gas oil	9,409	7,386	5,183
El Grillo [1]	8	7.00	8	8.00	8	19.35	9	0.15	British	C. T. Bowring & Co.	440.0	57.6	25.10	Lobitos, Peru	Halifax, N. S.	Crude oil	9,749	7,468	5,042
Ingram	8	12.15	8	13.05	8	20.45	9	15.50	German	Roland Line	357.0	51.0	16.0	Guayaquil, Ecuador	Hamburg, Germany	General	1,622	4,899	3,704
Argonne [14]			9		9	10.25	9	10.25	American	U. S. Navy	458.0	58.0		Gatun Lake, C. Z.	Cristobal, C. Z.				
Sunbeam	8	17.50	9	6.04	9	14.35	9	14.35	American	Sun Oil Co.	429.3	59.2	26.9	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	9,495	7,709	5,562
Yuri Maru	8	19.30	9	7.21	9	17.25	9	18.35	Japanese	Kokusai Kisen Kaisha	426.0	53.67	28.5	Portland, Oreg.	Lisbon, Portugal	Bulk wheat	9,020	6,909	5,147

[1] Tanker. [14] U. S. Navy transport.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—Continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Eleanor Christensen	9	4 00	9	8.18	9	17.50	9	17 50	American	Christenson S. S. Co.	410.5	54.3	24.6	Seattle, Wash.	Baltimore, Md.	Lumber	7,171	6,572	4,788
Napoli	9	7.35	9	9 21	9	16 55	10	23.05	Italian	Navigazione Generale Italiana.	409.5	58.75	21.6	Valparaiso, Chile	Genoa, Italy	General	2,456	6,740	4,280
Warrior [15]	9	1 00	9	10 05	9	18.25	9	18 25	American	Harrison Williams	223.3	34.7	15.7	Hongkong, China	New York, N. Y.	Ballast		1,471	799
Santa Elisa	9	9 20	9	12.12	9	18 45	9	20.40	American	Grace Line	360.3	51.7	24 10	Talcahuano, Chile	New York, N. Y.	(22)	4,051	5,957	4,325
Suspearco	10	3 00	10	6 59	10	15.00	10	15 00	American	Transmarine Lines	324 0	46.2	24.6	Aberdeen, Wash.	Philadelphia, Pa.	Lumber	4,698	3,984	2,612
Pacific	10	3.00	10	9.34	10	17.15	10	17.15	American	Argonaut S. S. Co	400.0	56.7	27.0	Portland, Oreg.	New York, N. Y.	Lumber	6,504	6,517	4,723
Dos Hermanos [16]	10	7.00	10	8 43	10	19 45	11	11.40	Panaman	Isth. Land & Fruit Co.	35.0	12.0	5 0	El Real, R. P.	Cristobal, C. Z.	Bananas			
Amazonas	10	10 00	10	12.44	10	19 55	11	17.25	Peruvian	Peruvian Line	350.0	42 5	21 3	Callao, Peru	New York, N. Y.	General	2,982	3,744	2,621
Salinas [1]	9	8 35	10	11 52					American	U. S. Navy	463.0	60 0	25.0	Long Beach, Calif.	Gatun Lake, C. Z.	Ballast			
Myrtle	10	13 30	10	14.32	10	22 15	10	22.15	American	Columbus-Pac. Ship.Co.	410.5	54.0	26.0	Portland, Oreg.	Philadelphia, Pa.	Lumber, general.	7,085	6,255	4,894
W. S. Rheem [1]	10	12 2:	11	5.58	11	14 05	11	14.05	American	Standard Oil Co.of Calif	500.0	68.2	28.8	Los Angeles, Calif.	Baltimore, Md.	Gasoline	14,200	11,224	7,895
Poplar Branch	10	15 00	11	6.53	11	15.15	11	17 10	British	F. & W. Ritson	390.2	56 2	22.2	Corral, Chile	Antwerp, Belgium	General	6,987	6,640	5,099
Montrolite [1 17]	11	3.00	11	8.11	11	17.10	11	17.10	British	Imperial Oil Co., Ltd.	510.9	68.25	30.9	Talara, Peru	Montreal, Canada	Crude oil	15,500	11,555	7,678
J. L. Luckenbach	11	4.2:	11	9.11	11	17 35	11	17.35	American	Luckenbach Line	448.7	60 2	31.0	Portland, Oreg.	Philadelphia, Pa.	General, lumber	8,500	9,294	6,861
Minnesotan	11	5 1:	11	10 01	11	17 55	11	17 55	American	American-Hawaiian Line	407.75	53 7	26 5	San Francisco, Cal.	Boston, Mass.	General	6,538	7,150	5,024
Oakpark	11	1 3:	11	12 37	11	19 55	11	19 55	American	American-Pioneer Line.	402.6	53.2	24.9	Iloilo, P. I	Philadelphia, Pa.	Sugar	8,000	6,571	4,798
Independence	11	20.45	12	6.15	12	15 05	12	16.10	American	American-Pioneer Line.	440.0	56.0	27.0	Hongkong, China	New York, N. Y.	Sugar, general	10,433	8,290	6,063
Theodore Roosevelt [17]	11	21.30	12	7.27	12	16 50	13	0.15	Norwegian	Fred Olson & Co.	444.4	55.0	28.6	Vancouver, B. C.	Oslo, Norway	General	9,506	7,593	5,637
Reivo Maru	12	9 45	12	11.05	12	19 00	12	19.00	Japanese	Toyo Kisen Kaisha	400.0	53.0	26.6	Bangkok, Siam	Cienfuegos, Cuba	Rice	6,850	6,310	4,598
Myriam [1]	12	13.15	13	6.03	13	15.10	14	2.15	French	Cie Auxiliaire de Navig.	425 0	57.0	26.0	Los Angeles, Calif.	Land's End, Eng. [21]	Benzine	9,702	7,178	5,073
Argyllshire	12	22 45	13	7.05	13	14 25	13	18 30	British	Turnbull, Martin & Co.	526.2	61.4	24.6	Sydney, Australia	London, England	Frozen, general	6,050	12,206	8,508
Orita	13	5 00	13	8 19	13	15 30	13	22 30	British	Pacific Steam Nav. Co	484.5	58 2	28.6	Corral, Chile	Liverpool, England	General	6,933	9,936	6,561
D. G. Schofield [1]	12	16 53	13	9.14	13	17 35	13	17.35	American	Standard Oil Co.of Calif	439.5	58.5	29.3	Los Angeles, Calif.	Baltimore, Md.	Crude oil	11,041	8,698	5,935
Ucayali	13	8 00	13	10 25	13	18 05			Peruvian	Peruvian Line	374.7	46 3	19.6	Callao, Peru	Cristobal, C. Z.	General	1,445	4,466	2,406
Ruahine	13	1.20	13	12.08	13	18 30	13	18.30	British	N. Z. Shipping Co.	480.6	60.3	26.5	Wellington, N. Z.	London, England	Frozen, general	4,891	11,443	8,417
Paul Shoup [1]	13	18.00	14	6.13	14	14.20	14	15.30	American	Associated Oil Co.	424.4	58.2	26 5	San Francisco, Cal.	New York, N. Y.	Gasoline	8,666	7,333	5,119
Siris	13	16.00	14	7.06	14	15 52	15	11.45	British	Royal Mail S. P. Co.	400.3	52.3	25.5	Victoria, B. C.	Antwerp, Belgium	General	6,517	5,849	4,165
Swan [18]	14	6 37	14	7.33	14	14 25			American	U. S. Navy	187.10	35.6		High seas	Cristobal, C. Z.				
No. 327 [19]	12	14 30	14	8 53	14	15.55	14	18.30	American	U. S. Navy	320 0	31.0	13.0	Corinto, Nicaragua	Cristobal, C. Z.				
Alemania [20]	3	20.55	14	8 31	14	15 55	14	17.15	German	Hamburg-American Line	234.0	36.0	9.0	Balboa, C. Z.	Maracaibo, Venez.	Ballast			
Stuart Dollar	14	6 56	14	9.25	14	16 55	14	16 55	American	Dollar Line	429.0	55.2	27.9	San Francisco, Cal.	Norfolk, Va.	General	9,566	7,584	5,538
Finland	14	3 21	14	11.13	14	18 53	14	19.10	American	Panama-Pacific Line	569.0	69.2	26.8	San Francisco, Cal.	New York, N. Y.	General	5,053	13,559	9,016
Hegira	14	10.45	14	12.00	14	20.00	14	23 00	American	Hegira S. S. Co.	440.0	56.0	24.6	Everett, Wash.	New York, N. Y.	Lumber	7,060	8,342	6,108
Chiman [17]	14	13.45	14	14 37	14	22.45	15	13.30	Panaman	Isth. Land & Fruit Co.	116.0	21.0	10.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee	245	211	124

[1] Tanker. [15] Yacht. [16] Motor schooner. [17] Motor ship. [18] Mine sweeper. [19] Destroyer. [20] Came South for drydocking only. [21] For orders. [22] Copper, nitrate, wool, vanadium, and general.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
May 8	Pastores	United Fruit Co.	Port Limon, Costa Rica.	May 8	Inapaquina [23]	United Fruit Co.	Colon, R. P.
May 9	Ulua	United Fruit Co.	New York via Habana.	May 8	Puerto Rico	French Line	St. Nazaire and wayports.
May 9	Linda S. [23]	Surgeon Brothers	Colon, R. P.	May 8	Cryssen	Royal Netherlands W. I. Mail	Amsterdam via wayports.
May 11	Suriname	United Fruit Co.	Bocas del Toro, R. P.	May 8	Pastores	United Fruit Co.	New York via Habana.
May 11	San Gil	United Fruit Co.	Boston via wayports.	May 8	Macabi	United Fruit Co.	New York via Kingston.
May 11	Cristobal	Panama Railroad S. S. Line	New York via Haiti.	May 9	Cartago	United Fruit Co.	New Orleans via wayports.
May 11	Saramacca	United Fruit Co.	New Orleans, La.	May 9	Linda S. [23]	Surgeon Brothers	Colon, R. P.
May 11	Carrillo	United Fruit Co.	New York via Kingston.	May 11	Inapaquina [23]	United Fruit Co.	Colon, R. P.
May 11	Inapaquina [23]	United Fruit Co.	Colon, R. P.	May 11	Suriname	United Fruit Co.	New Orleans, La.
May 11	Virginia	Texas S. S. Co.	Port Arthur, Texas.	May 11	San Gil	United Fruit Co.	Boston via wayports.
May 12	Sixaola	United Fruit Co.	Colombian ports.	May 11	Ulua	United Fruit Co.	Port Limon, Costa Rica.
May 12	Favorita	Standard Fruit S. S. Co.	New Orleans, La.	May 12	Carrillo	United Fruit Co.	Colombian ports.
May 14	Carare	Elders & Fyffes, Ltd	Avonmouth via wayports.	May 12	Sixaola	United Fruit Co.	New York via Kingston.
May 14	Favorita	Standard Fruit S. S. Co.	San Blas, R. P.	May 12	Saramacca	United Fruit Co.	Port Limon, via Bocas del Toro, R. P.
May 14	Galicia	Hamburg-American Line	Puerto Barrios, Colombia.	May 12	Favorita	Standard Fruit S. S. Co.	San Blas, R. P.
				May 13	Virginia	Texas S. S. Co.	Norfolk, via Tampico.
				May 14	Carare	Elders & Fyffes, Ltd	Kingston, Jamaica.
				May 14	Favorita	Standard Fruit S. S. Co.	New Orleans, La.

[23] Motor schooner.

PORT OF BALBOA.

May 10	Estrella [23]	A. Valdez	Panama Bay, R. P.	May 13	Epoca [25]	Gorrissen & Co.	Puntarenas, Costa Rica.
May 10	Pathfinder [24]	Mrs. L. G. Salkey	Panama Bay, R. P.	May 10	Estrella [23]	A. Valdez	Panama Bay R. P.
				May 10	Pathfinder [24]	Mrs. L. G. Salkey	Panama Bay, R. P.

[24] And barge. [25] Motor ship.

* Other than ships passing through the Canal.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Atlantic to the Pacific, April, 1927.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.							Asia.					Australasia.				Grand totals.	Per cent of total cargo.
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America.	West coast of North America.[2]	Balboa, C. Z.[2]	Hawaii.	Total, North America.	Japan.	China.	Philippines.	Far East.[1]	Total, Asia.	Australia.	New Zealand.	Australasia.[1]	Total, Australasia.		
North America:																								
United States—																								
North Atlantic ports	7,698	1,445		3,815	12,418	25,376	218,219	714	7,588			4,260	230,781	12,873	13,176	3,983	27,875	57,907	28,823	5,546	2,250	36,619	350,683	50.3
South Atlantic ports							755						755	345			2,813	3,158					3,913	0.5
Gulf ports		302			4,027	4,329	39,999					266	40,265	44,797	20,949		4,360	70,106	7,342	7,450		14,792	129,492	18.7
Totals, United States	7,698	1,747		3,815	16,445	29,705	258,973	714	7,588			4,526	271,801	58,015	34,125	3,983	35,048	131,171	36,165	12,996	2,250	51,411	484,088	69.5
Cristobal, C. Z.[2]	321	5,095	600	681	892	7,589	1,760	34	5,461				7,255										14,844	2.1
East coast of Canada								1,600					1,600						2,249	2,733	1,750	6,732	8,332	1.2
West Indies	912					912	1,005						1,005				7,150	7,150		4,802		4,802	13,869	2.0
East coast of Mexico and Central America									1,776				1,776										1,776	0.2
Totals, North America	8,931	6,842	600	4,496	17,337	38,206	261,738	2,348	14,825			4,526	283,437	58,015	34,125	3,983	42,198	138,321	38,414	20,531	4,000	62,945	522,909	75.0
Europe:																								
British Isles	2,391			142	3,353	5,886	9,279	3,545		3,513			16,337							37,363		37,363	59,586	8.5
Belgium	2,210			710	2,093	5,013	17,157	2,603	115	321			20,196										25,209	3.6
France	1,393				90	1,483	3,099	566		671			4,336								4,690	4,690	10,509	1.5
Germany	203	2,370		654	1,542	4,769			200		660		860										5,629	1.8
Holland							8,801						8,801										8,801	1.3
Italy							151	32					183										183	
Norway and Sweden							548	110			360		1,018										1,018	0.2
Spain and Portugal								103					103										103	
Europe[1]	55				28,038	28,093	13,746	269	3,824	3,830			21,669										49,762	7.2
Totals, Europe	6,252	2,370		1,506	35,116	45,244	52,781	7,228	4,139	8,335	1,020		73,503							37,363	4,690	42,053	160,800	23.1
E. coast of South America		1,60			11	171	12,520						12,520	748			181	929					13,620	1.9
Grand totals	15,183	9,372	600	6,002	52,464	83,621	327,039	9,576	18,964	8,335	1,020	4,526	369,460	58,763	34,125	3,983	42,379	139,250	38,414	57,894	8,690	104,998	697,329	100.0
Per cent of total cargo:																								
April, 1927	2.2	1.4		0.9	7.5	12.0	46.9	1.3	2.7	1.2	0.2	0.6	52.9	8.5	4.9	0.5	6.1	20.0	5.5	8.3	1.3	15.1	100.0	
April, 1926	2.5	0.2	0.1	0.4	13.6	16.8	36.9	1.5	2.8	3.2	0.2	0.5	45.1	10.2	3.9	0.8	8.4	23.3	3.9	7.0	3.9	14.8	100.0	
April, 1925	5.5	0.2	0.4	0.7	10.4	17.2	41.5	4.0	1.1	3.1	1.0	0.8	51.5	2.7	2.2	2.6	7.5	15.0	7.8	2.1	6.4	16.3	100.0	

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, April, 1927.

(Figures represent tons of 2,240 pounds.)

From—	North America. United States. North Atlantic ports.	South Atlantic ports.	Gulf ports.	Total, United States.	East coast of Canada.	West Indies.	East coast of Central America.	Cristobal, C. Z.[2]	Total, North America.	Europe. British Isles.	Belgium.	Denmark.	France.	Germany.	Holland.	Italy.	Norway and Sweden.	Spain and Portugal.	Europe.[1]	Total, Europe.	East coast of South America.	Egypt.	Grand totals.	Per cent of total cargo.
So. America:																								
Chile	158,597	30,308	21,223	210,128	9,778	107	.....	.....	220,013	19,558	4,360	.....	320	4,884	108	2,029	.....	.....	46,563	77,822	151	25,579	323,565	18.7
Colombia	784	.....	.....	784	.....	.....	.....	3,787	4,571	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,571	0.3
Ecuador	458	.....	.....	458	6,159	.....	.....	2,276	8,893	.....	.....	.....	.....	206	.....	.....	.....	.....	1,502	1,708	.....	.....	10,601	0.6
Peru	2,608	28,000	.....	30,608	43,932	7,816	.....	1,191	83,547	9,540	3,103	.....	.....	1,604	.....	.....	.....	.....	5,622	19,869	.....	.....	103,416	6.0
W. coast S.A.	3,634	.....	.....	3,634	.....	95	.....	587	4,316	4,355	.....	.....	.....	.....	.....	.....	.....	71	2,813	7,239	30	.....	11,585	0.6
Totals, S. A.	166,081	58,308	21,223	245,612	59,869	8,018	.....	7,841	321,340	33,453	7,463	.....	320	6,694	108	2,029	.....	71	56,500	106,638	181	25,579	453,738	26.2
No. America:																								
West coast of Canada	47,253	.....	1,286	48,539	13,312	2,512	.....	12	64,375	40,788	2,764	2,600	23	3,117	5,354	.....	.....	.....	47,474	102,120	1,559	.....	168,054	9.7
West coast Cen. Am.	.....	.....	.....	.....	.....	.....	.....	6,775	6,775	.....	.....	.....	.....	1,581	.....	.....	.....	3,576	4,941	10,098	.....	.....	16,873	1.0
W. coast U.S.	662,807	1,067	27,129	691,003	46,926	24,676	10,246	48,814	821,665	52,658	3,550	786	300	20,147	1,251	290	131	.....	55,133	134,246	21,291	.....	977,112	56.4
Hawaii	.....	.....	92	92	.....	.....	.....	.....	92	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	92	.....
West coast of No. Am.[1]	7,067	.....	88	7,155	.....	17	.....	305	7,477	225	.....	.....	82	491	.....	.....	.....	.....	8,980	9,778	100	.....	17,355	1.0
Totals, N.A.	717,127	1,067	28,595	746,789	60,238	27,205	10,246	55,996	900,384	93,671	6,314	3,386	405	25,336	6,605	290	131	3,576	116,528	256,242	22,860	.....	1,179,486	68.1
Asia:																								
China	2,399	.....	.....	2,399	.....	.....	.....	126	2,525	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,525	0.1
Japan	847	.....	.....	847	.....	.....	.....	.....	.....	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	50	.....	.....	897	.....
Philippines	29,080	.....	5,623	34,803	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34,803	2.0
Far East[1]	5,083	.....	.....	5,083	.....	2,600	.....	.....	7,683	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,683	0.5
Totals, Asia	37,509	.....	5,623	43,132	.....	2,600	.....	126	45,858	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	50	.....	.....	45,908	2.6
Australasia:																								
Australia	8,213	.....	.....	8,213	130	.....	.....	.....	8,343	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,343	0.5
New Zealand	4,913	.....	.....	4,913	305	.....	.....	348	5,566	27,330	.....	.....	.....	.....	.....	.....	.....	.....	.....	27,330	.....	.....	32,896	2.0
Australasia[1]	5,800	.....	.....	5,800	.....	.....	.....	.....	5,800	1,000	.....	.....	5,307	.....	.....	.....	.....	.....	.....	6,307	.....	.....	12,107	0.6
Totals, A'asia	18,926	.....	.....	18,926	435	.....	.....	348	19,709	28,330	.....	.....	5,307	.....	.....	.....	.....	.....	.....	33,637	.....	.....	53,346	3.1
Grand totals	939,643	59,375	55,441	1,054,459	120,542	37,823	10,246	64,221	1,287,291	155,504	13,777	3,386	6,032	32,030	6,713	2,319	131	3,647	173,028	396,567	23,041	25,579	1,732,478	100.0
Per cent of total cargo:																								
April, 1927	54.2	3.4	3.2	60.8	7.0	2.2	0.6	3.7	74.3	9.0	0.8	0.2	0.3	2.0	0.4	0.1	.....	0.2	9.9	22.9	1.3	1.5	100.0	.....
April, 1926	59.2	3.2	3.0	65.4	4.1	0.4	1.2	1.6	71.7	14.3	1.9	.....	1.7	2.9	0.8	.....	1.3	.....	4.9	27.8	.....	0.5	100.0	.....
April, 1925	56.2	8.5	4.2	68.9	1.7	0.1	1.2	1.0	71.9	12.1	0.4	.....	2.1	4.3	0.3	.....	1.2	.....	6.7	27.1	0.5	0.5	100.0	.....

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

United States Intercoastal Traffic by Commodities for April, 1927.

The following table shows the cargo carried through the Canal in the United States intercoastal trade, segregated by commodities and by direction, with the totals for April, 1927, and the totals for April, 1926, and 1925. Cargo statistics are compiled from cargo declarations submitted by masters of vessels, and in these declarations small items are frequently grouped under the designation of "General Cargo." These statistics are accordingly not precise but they are indicative of the kind and quantity of the cargo in transit through the Canal. The figures represent tons of 2,240 pounds, and are for the United States intercoastal trade only:

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Agricultural implements	1,522	.....	1,522
Ammunition	125	.....	125
Asphalt	208	.....	208
Automobiles	969	.....	969
Automobile accessories	1,657	.....	1,657
Barley	.....	1,307	1,307
Borax	.....	582	582
Canned goods:			
Fish	247	4,554	4,801
Fruit	230	13,374	13,604
Milk	.....	1,199	1,199
Vegetables	1,252	3,060	4,312
Other	375	.....	375
Carbon black	205	.....	205
Celite filtercel	.....	135	135
Cement	1,424	180	1,604
Charcoal	46	.....	46
Chemicals	2,657	.....	2,657
Coal	2,450	.....	2,450
Coke	264	.....	264
Cold storage:			
Lard	918	.....	918
Tallow	.....	135	135
Confectionery	371	.....	371
Cotton	497	2,234	2,731
Cyanide	425	.....	425
Drugs	409	50	459
Dyewoods	215	223	438
Flour	.....	1,995	1,995
Fruit, dried	.....	2,779	2,779
Furniture	77	.....	77
General	67,189	42,224	109,413
Glass	1,945	.....	1,945
Guano	100	.....	100
Hardwoods	1,946	.....	1,946
Hay	.....	1,496	1,496
Ink	230	.....	230
Jute	160	.....	160
Linoleum	106	.....	106
Lumber	.....	179,120	179,120
Manufactured goods:			
Iron and steel	111,190	.....	111,190
Machinery	8,559	950	9,509
Railroad material	2,391	.....	2,391
Textiles	2,789	.....	2,789
Other	870	.....	870
Matches	37	.....	37
Metals:			
Copper	.....	4,677	4,677
Iron	2,105	.....	2,105
Lead	200	468	668
Scrap	407	234	641
Tin	15,940	.....	15,940
Other	211	.....	211
Oils:			
Crude	.....	112,363	112,363
Gas and fuel	.....	175,020	175,020
Gasoline, benzine, and naphtha	.....	112,732	112,732
Lubricating and greases	3,759	13,156	16,915
Vegetable	200	.....	200
Other	780	39	819
Ores:			
Copper	.....	667	667
Magnesite	.....	2,275	2,275
Paint	299	.....	299
Paper	7,255	475	7,730

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Paper pulp	20	....	20
Peanuts	....	100	100
Porcelain	....	172	172
Rags	....	100	100
Rice	560	....	560
Rosin	424	....	424
Rubber, manufactured	689	....	689
Salt	139	....	139
Sand	447	....	447
Seeds	....	100	100
Shells, oyster	1,480	....	1,480
Silk	....	38	38
Skins and hides	....	1,855	1,855
Soap	445	....	445
Soda	569	....	569
Soda, ash	124	....	124
Soda, caustic	240	....	240
Sugar	2,332	9,665	11,997
Sulphur	5,692	....	5,692
Talc	....	205	205
Tobacco	559	....	559
Turpentine	42	....	42
Wax	....	33	33
Wine	....	69	69
Wool	....	963	963
Totals, April, 1927	258,973	691,003	949,976
Totals, April, 1926	222,110	661,874	883,984
Totals, April, 1925	220,663	613,019	833,682

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending May 14, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded
				Tons.	*Tons.*
Heluan	Hamburg-American Line	....	May 8	....	134
Macabi	United Fruit Co	....	May 8	....	425
Taketoyo Maru	Nippon Yusen Kaisha	May 8	May 8	92	(1)
Pastores	United Fruit Co	May 8	May 8	34	34
Cartago	United Fruit Co	....	May 9	....	147
Padilla	Colombian S. S. Co	....	May 9	....	1,605
Amersfoort	Royal Netherlands W. I. Mail	May 8	May 9	320	189
Ingram	Roland Line	May 8	May 9	351	(1)
Napoli	Italian Line	May 9	May 10	64	740
Ulua	United Fruit Co	May 9	May 11	325	5
Linda S	R. Feuillebois	May 10	May 10	(2)	59
Fortuna	Panamente & Co	....	May 11	....	125
Amazonas	Peruvian Line	May 10	May 11	335	(1)
Dos Hermanos	Isthmian Land & Fruit Co	May 10	May 11	10	(1)
La Paz	Pacific Steam Navigation Co	May 10	May 12	68	425
Suriname	United Fruit Co	May 11	May 11	154	439
Santa Rosalia	U. S. Steel Products Co	May 11	May 11	20	(1)
San Gil	United Fruit Co	May 11	May 11	(2)	50½
Saramacca	United Fruit Co	May 11	May 12	870	13
Atrato	Colombian Transport Co	....	May 12	....	132
Carrillo	United Fruit Co	May 11	May 12	223	78
Oropesa	Pacific Steam Navigation Co	May 11	May 12	346	122
Cristobal	Panama Railroad S. S. Line	May 11	....	3,952	....
Virginia	Texas Oil Co	May 11	May 13	9,301	(1)
Sixaola	United Fruit Co	May 12	May 12	½	373½
Independence	American-Pioneer Line	May 12	May 12	13	(1)
Favorita	Standard Fruit S. S. Co	May 12	May 12	198	21
Theodore Roosevelt	Fred Olson & Co	May 12	May 13	(2)	319
Rhein	Hamburg-American Line	May 12	....	1,130	....
Mississippi	French Line	May 13	May 14	62	410
Ucayali	Peruvian Line	May 13	....	1,320	....
Orita	Pacific Steam Navigation Co	May 13	May 13	3	29
Arana	Pacific Steam Navigation Co	May 13	....	530	....
Siris	Royal Mail S. P. Co	May 14	....	144	....
Favorita	Standard Fruit S. S. Co	May 14	May 14	(2)	440
Tongking	Danish East Asiatic Co	May 14	May 14	46	154
Galicia	Hamburg-American Line	May 14	....	13	....
Bologna	Italian Line	May 14	....	110	
Chiman	Isthmian Land & Fruit Co	May 14	....	245	

[1] No cargo laded. [2] No cargo discharged.

West Side Canal Towns Further Abandoned.

Electric current furnished towns on the west side of the Canal in the Camp Gaillard area will be cut off as soon as the Army completes removal from the area to the east side of the Canal. Culebra, Empire, Lirio, and Golden Green are the towns affected. No change is proposed in the present lighting system at Las Cascadas, where the West Caribbean Training School is in operation. Discontinuance of the service is due to the abandonment of Camp Gaillard by the Army. The towns which in future will have to rely on other than electric light for illumination are now inhabited by about 150 colored residents, most of whom are nonemployees.

Culebra and Empire were important towns during the construction days from 1906 to 1914. The Chairman and Chief Engineer, some of the other members of the Isthmian Canal Commission, and various officials directed features of the construction of the Canal from their offices at Culebra, until the completion of actual construction, when the town was abandoned and turned over to the Army, the administrative offices of the Canal being removed to Balboa Heights. At Empire were located the steam shovel repair shops, the offices of the Division Engineer of the Central Division, in charge of the excavation of Culebra Cut (named "Gaillard Cut" by Executive Order of April 17, 1915), and the disbursing and accounting offices until headquarters were moved to Balboa Heights. The Central Division was abolished on October 10, 1913, the day of the blowing up of Gamboa dike. The transfer of the other offices to Balboa Heights took place in August and September, 1914, approximately 5 months after the Isthmian Canal Commission had ceased to exist and been succeeded by The Panama Canal, April 1, 1914.

Executive Order.

By virtue of the authority vested in me by law, that part of Section 5 of the Executive Order of April 14, 1921, relating to the issuance of vehicle licenses to bona fide tourists in the Canal Zone, and establishing the fee therefor, is amended to read as follows:

"A ninety-day motor vehicle license will be issued without charge to a bona fide tourist or nonresident who has brought his private vehicle to the Canal Zone, providing the vehicle carries a current license plate issued therefor by some State of the United States. In such cases the United States tag will suffice, and no Canal Zone tag need be issued."

This order shall take effect from and after this date.

CALVIN COOLIDGE

THE WHITE HOUSE,
April 23, 1927.

[No. 4636]

Notice to Mariners. Transfer of Gas and Whistling Buoy.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., May 13, 1927.

1. On or about June 15, 1927, the gas and whistling buoy located 8 6 10 miles north of the breakwater entrance to Cristobal Harbor will be permanently discontinued.

2. On or about July 15, 1927, a gas and whistling buoy will be established south of South Frailes. The exact position of this buoy, together with its characteristics, will be published as soon as determined.

M. L. WALKER,
Governor.

New Pattern Storage Shop Nearing Completion.

Approximately 7,000 square feet of space will be available for the storage of patterns at the Balboa shops when the 2-story, concrete and steel pattern storage building now in course of erection is completed. The new structure is a 34 by 61-foot addition to the present building, which was erected for pattern shop and storage, and will cost, when completed, about $45,000. Work was started on the foundations on December 13, 1926, and it is estimated that the building will be completed about June 15, 1927.

The pattern shop itself is now located on the second floor of the restaurant building adjoining the original pattern shop and storage building. It will be moved to the ground floor of the new structure where working space, smaller than that occupied in the old quarters, will be assigned. The work space vacated in the restaurant building will then be used for pattern storage.

With patterns accumulating every year, ever since construction days, the pattern storage facilities at the shops have been overtaxed for several years. The situation has been relieved to some extent by utilizing space in other buildings. For several years a shed near the Balboa roundhouse has accommodated some of the patterns. When the addition is completed it will be possible to move all of the patterns from this shed to the new storage room, except the very heavy ones and those rarely used. They will thus be centralized and readily accessible to the foundry.

Panama Railroad Time-Table No. 37.

Panama Railroad Time-Table No. 37, effective May 15, 1927, published in this issue of THE PANAMA CANAL RECORD, makes no practical change in the schedules of passenger trains, the only change being to show now as regular trains 3 trains on the Fort Randolph Branch which have been operating for some time as "extras."

Appointment.—Superintendent of Ancon Hospital.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., May 14, 1927.

To all concerned.—Effective May 15, 1927, Lieut. Col. George M. Ekwurzel, Medical Corps, U. S. A., is appointed Superintendent, Ancon Hospital, *vice* Lieut. Col. Will L. Pyles, Medical Corps, U. S. A., relieved from duty with The Panama Canal.

W. P. CHAMBERLAIN,
Chief Health Officer.

Approved:
M. L. WALKER,
Governor.

Appointment. Supervisor of Harbor Craft and Engineer Member, Board of Local Inspectors.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., May 14, 1927.

To all concerned.—Effective this date, Lieut. Philip S. Flint, U. S. N., is appointed Supervisor of Harbor Craft and Engineer Member, Board of Local Inspectors, The Panama Canal, *vice* Lieut. Frank E. Nelson, U. S. A., assigned to other duties.

JOHN DOWNES,
Marine Superintendent.

Approved:
M. L. WALKER,
Governor.

Sale of Gasoline to Launches.

THE PANAMA CANAL,
EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C. Z., May 14, 1927.

To all concerned.—1. Effective June 1, 1927, the sale of gasoline and oil to launches and other motor-driven water craft, privately owned and licensed to operate in Canal Zone waters, will be limited to persons entitled to the commissary privilege who operate such craft for their personal use and without profit. This, however, is not intended to prohibit the present practice which permits the sale of commissary and storehouse supplies, including gasoline, to vessels transiting the Canal or calling at Canal Zone ports, nor does it prohibit sales to persons complying with the Panaman customs formalities.

2. Persons who consider that their status entitles them to purchase gasoline under the above limitation at employees' rates may apply to the Executive Secretary for the privilege, giving the name of the boat in which the gasoline will be used, its location, and a detailed statement of the purpose for which it is operated. If the application is approved a special authority card will be issued.

M. L. WALKER,
Governor.

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

PANAMA RAILROAD PASSENGER TRAIN TIME-TABLE No. 37, EFFECTIVE MAY 15, 1927.

MAIN LINE STATIONS	Daily.	Daily except Sunday.	Daily.
	3	5	7
Leave	A. M.	P. M.	P. M.
Colon	9.10	12.15	4.00
Mount Hope	9.15	12.20	4.05
Port Davis	9.24	12.28	4.14
Gatun	9.29	12.34	4.19
Represso	Flag	Flag	Flag
Monte Lirio	9.43	12.48	4.33
Frijoles	9.54	1.00	4.45
Darien	10.01	1.08	4.52
Gamboa	10.10	1.21	5.01
Obispo	Flag	Flag	Flag
Summit	10.21	1.34	5.12
Pedro Miguel	10.32	1.46	5.23
Red Tank	10.35	1.49	5.26
Fort Clayton	10.40	1.55	5.31
Corozal	10.45	2.00	5.35
Balboa Heights	10.50	2.05	5.40
Panama	10.55	2.10	5.45
Arrive	A. M.	P. M.	P. M.
	3	5	7

MAIN LINE STATIONS.	Daily.	Daily except Sunday.	Daily.
	2	4	8
Leave	A. M.	P. M.	P. M.
Panama	7.00	12.15	6.10
Balboa Heights	7.05	12.20	6.15
Corozal	7.10	12.26	6.20
Fort Clayton	7.14	12.30	6.24
Red Tank	7.19	12.36	6.29
Pedro Miguel	7.23	12.40	6.33
Summit	7.35	12.53	6.45
Obispo	Flag	Flag	Flag
Gamboa	7.46	1.05	6.56
Darien	7.54	1.15	7.05
Frijoles	8.02	1.24	7.13
Monte Lirio	8.14	1.37	7.24
Represso	Flag	Flag	Flag
Gatun	8.29	1.52	7.39
Fort Davis	8.33	1.56	7.43
Mount Hope	8.40	2.05	7.50
Colon	8.45	2.10	7.55
Arrive	A. M.	P. M.	P. M.
	2	4	8

All trains stop where time is shown.

DAILY			Daily except Saturd'y and Sunday.	DAILY.			FORT RANDOLPH BRANCH STATIONS		DAILY.			Daily except Saturd'y and Sunday.	DAILY.		
27	25	23	21	19	17	15	**Read Down**	**Read Up**	16	18	20	22	24	26	28
P.M.	P. M.	P. M.	P. M.	A. M.	A. M.	A. M.	**Leave**	**Arrive**	A. M.	A. M.	P. M.	P. M.	P. M.	P. M.	P. M.
11.00	7.30	5.30	3.30	11.50	10.00	6.50	Third Street, Colon		7.45	10.55	1.25	4.25	6.25	8.25	11.55
11.02	7.32	5.32	3.32	11.52	10.02	6.52	Seventh Street		7.43	10.53	1.23	4.23	6.23	8.23	11.53
11.04	7.34	5.34	3.34	11.54	10.04	6.54	Cristobal Commissary		7.41	10.51	1.21	4.21	6.21	8.21	11.51
11.07	7.37	5.37	3.37	11.57	10.07	6.57	Tower "B"		7.38	10.48	1.18	4.18	6.18	8.18	11.48
11.13	7.43	5.43	3.43	12.03	10.13	7.03	France Field		7.30	10.40	1.10	4.10	6.10	8.10	11.40
11.19	7.49	5.49	3.49	12.09	10.19	7.09	Coco Solo Station		7.25	10.35	1.05	4.05	6.05	8.05	11.35
11.25	7.55	5.55	3.55	12.15	10.25	7.15	Fort Randolph		7.20	10.30	1.00	4.00	6.00	8.00	11.30
P. M.	P. M.	P. M.	P. M.	P. M.	A. M.	A. M.	**Arrive**	**Leave**	A. M.	A. M.	P. M.	P. M.	P. M.	P. M.	P. M.
27	25	23	21	19	17	15			16	18	20	22	24	26	28

THE PANAMA CANAL RECORD

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., May 25, 1927. No. 42.

Effect of Fresh Water on Salt-Water Growths on Ships' Bottoms.

The question of how much effect fresh water has on a ship's bottom in the way of killing salt-water growths is always uppermost in the seaman's mind and while it is generally known that some beneficial effect is produced the general extent, and time involved, are not generally known. Recently experiments along this line have been conducted by the commanding officers of United States Navy ships in Gatun Lake of the Panama Canal. Two especial cases are in mind—those of the U. S. S. *Rochester* and U. S. S. *Argonne*. As the former's test was not complete, due to lack of sufficient time, a detailed outline of the results is not given.

The experiment by the U. S. S. *Argonne*, however, lasted from 11 a. m., April 29, to 11 a. m., May 8, 1927, and while space will not permit of giving the report in detail, sufficient is furnished to show the advancing effect of fresh water treatment. The following notes have been abstracted by the Marine Superintendent of The Panama Canal from a report by the commanding officer of the U. S. S. *Argonne* to the Commandant of the 15th Naval District:

On anchoring in Gatun Lake at 10.30 a. m., on April 29, the vessel had been out of dry dock for 14 months and her bottom was heavily covered with barnacles, moss, and grass. The barnacles were one-half inch in diameter, nearly round, and protruded about one-quarter inch out of the shell. The shell was brittle and was about one thirty-second of an inch thick. Moss 1 inch long covered the barnacles. Sea grass 6 inches long covered the water line to a depth of 2 feet below the surface. The foregoing was the condition at the time the diver made his first inspection at 11 a. m., on April 29. At 5.30 p. m. on April 29, the second inspection was made and no change noted. At 6.50 a. m., April 30, third inspection. Barnacles opening and smaller ones falling off. Larger barnacles began to swell and emerge through cone. In some cases shells were already emptied. Moss on barnacles still unaffected though it pulled off easier.

At 6.50 p. m., April 30, fourth inspection. Progressive killing of barnacles continued being particularly noticeable in the larger ones. In many cases they burst completely open but still adhered to bottom. Smaller ones falling off. No comment on grass.

At 7.10 a. m., May 1, fifth inspection. Steady improvement noted as to barnacles. No change in grass on water line but moss on barnacles easily removed.

At 5 p. m., May 1, sixth inspection. Steady improvement noted in barnacles, majority now being empty of life and shell softening. More easily scraped off bottom. Grass on water line unaffected.

At 6.45 a. m., May 2, seventh inspection.. Same as before except that empty shells had tendency to fall off on slightest touch. No change in grass.

At 5 p. m., May 2, eighth inspection. Barnacle shell disintegrating and scraped off easily. Grass on water line decomposing and thinning out.

At 6.45 a. m., May 3, ninth inspection. Same progress noted as in eighth inspection.

At 7.20 a. m., May 4, tenth inspection. Five days after anchoring in Gatun Lake inspection of the ship's bottom amidship and aft showed similar conditions with the moss on the barnacles almost completely gone and that on the water line three inches long but thinning out considerably. Animal life rapidly disappearing.

The opinion is here expressed that the maximum beneficial effect had now been produced and that it was only the still waters of the lake that prevented all adhesions from being removed. Though later inspections were made no particular changes were noted.

On May 9, the *Argonne* went to sea and 3 days later anchored in a West Indian port. Here a diver was sent over and in the clear water noted as follows: Ninety per cent of the barnacles had disappeared having apparently been washed off at sea. The only barnacles left were just below the water line and extended down to a depth of several feet. They were small and adhered to bottom in spots mostly in and around indentations and the lapping of plates. These were easily scraped off by the hand. Moss and grass had completely disappeared leaving bottom clean. The paint on ship's bottom was in good condition.

On the run up effort was made to check up on fuel consumption but this was handicapped to some extent by head seas and strong winds. However, it was noted, in comparison with a run made a month previous at same R. P. M., that 2 per cent less fuel was used with 27-inch vacuum. Vacuum on previous run was 28 inches. It is, therefore, computed that the actual saving in fuel was 7 per cent. For the *Argonne* this is the equivalent of one knot in speed at 12 knots.

A summary of effectiveness of fresh water may be stated to be as follows: Maximum effective time, 5 days. Total effective about 75 per cent of a regular docking.

CANAL WORK IN APRIL, 1927.

The following is the report of the Governor to the Secretary of War, of Canal work in the month of April, 1927:

BALBOA HEIGHTS, C. Z., *May 18, 1927.*

The Honorable, the Secretary of War,
Washington, D. C.

SIR: I have the honor to submit the following report covering operations of The Panama Canal during the month of April, 1927:

NUMBER OF TRANSITS.

During the month 464 commercial vessels transited the Canal. In addition to these, 15 nonseagoing launches, measuring under 20 tons, and 70 vessels belonging to or chartered by the United States Government, transited the Canal. In addition to the above 3 were three transits of a Panaman Government vessel, making a total of 552 transits for the month, or a daily average of 18.4.

Tolls on the 464 commercial vessels amounted to $2,065,206.92, and on the launches to $119.29, making a total tolls collection of $2,065,326.21, or a daily average on all traffic of $68,844.21. The average amount of tolls paid by each of the commercial transits was $4,450.88, as compared with $4,471.60 for the month of March, 1927.

The total number of craft of all kinds transiting the Canal during the month of April, as compared with the same months in 1926 and 1925, is shown in the following tabulation:

	April, 1927.	April, 1926.	April, 1925.
Commercial vessels	464	425	382
Noncommercial vessels (Army and Navy)	70	64	27
Launches (under 20 tons measurement)	15	9	27
Panaman Government vessels	3	.....	.....
Totals	552	498	436

In addition to the vessels listed above, Panama Canal equipment consisting of dredges, tug, barges, etc., was passed through the locks as follows:

	North-bound.	South-bound.	Total.
Gatun	10	14	24
Pedro Miguel	30	30	60
Miraflores	29	29	58
Totals	69	73	142

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tolls, and tons of cargo carried by vessels transiting the Canal each month from the beginning of the fiscal year 1927 to the end of April, 1927, as compared with the same months in the previous year:

Month.	No. vessels.		Panama Canal net tonnage		Tons of cargo.		Tolls.	
	1925–6	1926–7	1925–6.	1926–7.	1925–6.	1926–7.	1925–6.	1926–7.
July	418	456	1,951,295	2,154,821	1,960,654	2,185,527	$1,800,239.84	$1,980,719.67
August	372	464	1,779,627	2,230,905	1,912,217	2,321,697	1,657,893.90	2,055,041.91
September	388	446	1,831,039	2,186,804	1,891,988	2,239,547	1,692,723.11	2,019,626.42
October	410	445	1,955,485	2,124,519	2,009,171	2,374,711	1,826,314.64	1,989,213.93
November	424	428	2,028,034	2,032,488	2,023,398	2,272,449	1,870,087.68	1,889,001.11
December	462	458	2,257,409	2,135,002	2,358,170	2,310,270	2,111,896.53	1,996,036.72
January	479	443	2,300,187	2,121,631	2,346,643	2,241,765	2,103,368.29	1,984,760.71
February	424	449	1,991,127	2,201,328	2,139,207	2,230,107	1,835,226.47	1,994,860.82
March	506	496	2,398,694	2,413,999	2,607,046	2,533,525	2,206,212.20	2,217,913.20
April	425	464	2,048,247	2,224,500	2,237,567	2,429,807	1,917,457.11	2,066,206.92
Totals	4,308	4,549	20,541,144	21,825,997	21,486,061	23,139,405	19,021,419.77	20,192,381.41

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States Government, including merchant vessels chartered by the Government, do not pay tolls. Shipping Board vessels in commercial service pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

The following is a summary of the commercial traffic for April, 1927, as compared with the corresponding month in 1926 and 1925, and the monthly average for the calendar year 1926:

	April, 1927.	April, 1926.	April, 1925.	Average per month for calendar year 1926.
Number of vessels	464	425	382	451
United States net tonnage	1,750,360	1,609,461	1,462,344	1,687,875
Panama Canal net tonnage	2,224,500	2,048,247	1,840,692	2,153,020
Registered gross tonnage	2,852,638	2,635,476	2,347,123	2,753,689
Registered net tonnage	1,747,986	1,618,079	1,466,625	1,694,149
Tolls	$2,065,206.92	$1,917,457.11	$1,735,429.37	$1,991,795.00
Tons of cargo carried	2,429,807	2,237,567	1,950,902	2,298,896

The average daily number of transits, tonnage, tolls, and cargo, are shown in the following statement, in comparative form, commercial vessels only:

	Average per day.			Average per day for calendar year 1926.
	April, 1927.	April, 1926.	April, 1925.	
Number of transits	15.46	14.16	12.73	14.84
Panama Canal net tonnage	74,150	63,275	61,356	70,784
Tolls	$68,840.23	$63,911.90	$57,847.65	$65,483.67
Tons of cargo carried	80,993	74,555	65,030	75,578

AVERAGE TONNAGE, TOLLS, AND TONS OF CARGO PER VESSEL.

The average tonnage, tolls, and cargo per vessel transiting the Canal during the month of April, 1927, as compared with April, 1926, and April, 1925, are shown in the following tabulation:

	Average per vessel.		
	April, 1927.	April, 1926.	April, 1925.
United States equivalent net tonnage	3,772	3,787	3,828
Panama Canal net tonnage	4,794	4,819	4,819
Registered gross tonnage	6,147	6,201	6,143
Registered net tonnage	3,767	3,807	3,839
Tolls	$4,450.88	$4,511.66	$4,543.61
Tons of cargo (including vessels in ballast)	5,236	5,264	5,106
Tons of cargo (laden vessels only)	6,480	6,215	6,122

TOLLS.

At present, tolls are collected at rates of $1.20 per ton for laden vessels and $0.72 per ton for vessels in ballast, computed on the basis of the Panama Canal rules of measurement, with the provision that tolls shall not exceed $1.25 per ton nor be less than $0.75 per ton as determined in accordance with the United States rules for measurement of net registered tonnage. In order to ascertain the proper tolls

charges, it is necessary, therefore, that the net tonnage of vessels transiting the Canal be determined both in accordance with the Panama Canal and the United States rules of measurement.

Taking the traffic through the Canal for the month of April, 1927, the following tabulation shows a comparison of tolls actually collected under the present method of assessing tolls, and the tolls that would have been collected on the basis of the Panama Canal rules of measurement at the proposed rates of $1.00 laden and $0.60 ballast, with the transits for the month segregated by flag:

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
Belgian	$4,709.25	$3,817.20		$892.05
British	533,072.08	537,508.00	$4,435.92	
Chilean	8,738.75	9,377.00	638.25	
Colombian	1,958.10	1,913.00		45.10
Costa Rican	51.75	41.40		10.35
Danish	11,881.25	10,846.00		1,035.25
Danzig	23,991.48	22,949.40		1,042.08
Dutch	22,710.00	25,977.00	3,267.00	
Ecuadorian	373.20	307.00		66.20
French	51,059.87	48,495.60		2,564.27
German	54,666.53	59,261.60	4,595.07	
Italian	32,716.85	29,789.00		2,927.85
Japanese	81,282.40	75,456.00		5,826.40
Norwegian	82,222.29	81,129.40		1,092.89
Panaman	10,435.53	12,907.40	2,471.87	
Peruvian	14,027.70	14,483.40	455.70	
Spanish	12,242.50	12,347.00	104.50	
Swedish	18,456.25	18,078.00		378.25
United States	1,100,611.14	1,096,763.80		3,847.34
Totals	2,065,206.92	2,061,447.20	15,968.31	19,728.03

The decrease on vessels of United States registry would have been made up, with respect to channels of trade in which the vessels were engaged, as follows:

United States intercoastal trade	$5,617.01
United States foreign trade	[1] 4,712.58
United States–Canal Zone trade	2,942.91
Totals	3,847.34

[1] Indicates increase under proposed rates.

RATIO OF CARGO TONNAGE TO NET TONNAGE.

The ratio of cargo tonnage to net tonnage, Panama Canal measurement, of vessels, transiting the Panama Canal in April, 1927, is shown in the following tabulation, segregated by nationality of vessels and direction of transit. Laden vessels only are included:

Nationality.	Atlantic to Pacific.	Pacific to Atlantic.	Total.
British	0.81	1.24	1.02
Chilean	.38	1.10	.74
Colombian	1.67	.55	.70
Danish	.93	2.05	1.85
Danzig		1.73	1.73
Dutch	1.13	1.59	1.33
Ecuadorian		1.70	1.70
French	.67	1.53	1.15
German	1.27	1.45	1.37
Italian	.49	1.07	.88
Japanese	1.09	1.47	1.30
Norwegian	1.36	1.73	1.63
Panaman	.56	1.35	1.19
Peruvian	.12	.93	.76
Spanish		1.25	1.25
Swedish	1.99	2.76	2.73
United States	1.10	1.68	1.46
Averages, April, 1927	.98	1.56	1.33
Averages, April, 1926	.99	1.53	1.29
Averages, April, 1925	.94	1.49	1.24

CLASSIFICATION OF VESSELS.

A further classification of commercial vessels passing through the Canal during the month of April, 1927, is as follows:

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Tank ships:						
Laden	2	11,120	$11,896.25	65	372,701	$383,190.90
Ballast	56	327,455	235,896.21	.....	.....	.....
General cargo ships:						
Laden	147	696,951	660,917.85	161	717,140	697,019.50
Ballast	20	72,412	51,276.47	3	5,892	4,193.99
Noncargo-carrying ships:						
Naval	.....	.....	.....	1	.....	2,275.50
Passenger	.....	.....	.....	1	18,999	17,211.25
Tugs	.....	.....	.....	7	493	344.25
Yachts	1	1,337	984.75	.....	.....	.....
Totals	226	1,109,275	960,971.53	238	1,115,225	1,104,235.39
Method of propulsion:						
Steam	200	993,122	868,130.59	207	988,351	981,694.19
Motor	24	115,898	92,544.09	27	126,346	121,953.75
Motor (schooners)	2	255	296.85	4	528	587.45
Totals	226	1,109,275	960,971.53	238	1,115,225	1,104,235.39

Of the 407 steam-driven vessels, 281 were oil-burning, 121 coal-burning, and 5 burned either coal or oil.

NONCOMMERCIAL TRAFFIC.

The following statement shows the tonnage and the amount of cargo carried by vessels transiting the Panama Canal free of tolls during the month of April, 1927. If tolls had been assessed against these vessels at commercial rates, the amount collected would have been approximately as indicated:

Class and nationality.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of transits.	Tonnage.	Tolls.	No. of transits.	Tonnage.	Tolls.
U. S. Naval vessels:						
Ammunition ships	1	[3] 4,405	$5,506.25	.....	.....	.....
Barges	1	[1] 250	125.00	.....	.....	.....
Battleships	1	[1] 32,000	16,000.00	.....	.....	.....
Cruisers	1	[1] 7,500	3,750.00	1	[1] 8,300	4,150.00
Destroyers	8	[1] 9,720	4,860.00	5	[1] 6,075	3,037.50
Launches	2	[2] 10	7.20	.....	.....	.....
Mine sweepers	1	[1] 950	475.00	1	[1] 950	475.00
Motor sailers	2	[2] 10	7.20	.....	.....	.....
Rowboats	1	[2] 5	3.60	.....	.....	.....
Submarines	7	[1] 4,026	2,013.00	17	[1] 10,620	5,310.00
Submarine tenders	1	[1] 10,000	5,000.00	1	[1] 10,000	5,000.00
Tankers	2	[2] 12,839	15,406.80	5	[2] 29,623	35,547.60
Transports	1	[3] 3,908	4,885.00	.....	.....	.....
Tugs	2	[1] 2,000	1,000.00	2	[1] 2,000	1,000.00
U. S. Army vessels:						
Launches	.....	.....	.....	1	[2] 5	3.60
Transports	1	[2] 5,212	6,254.40	.....	.....	.....
Tugs	3	[1] 3,208	1,604.00	2	[1] 2,208	1,104.00
Panaman Government vessels:						
Transports	2	[2] 202	145.44	1	[2] 202	145.44
Totals	37	.....	67,042.89	36	.....	55,773.14

[1] Indicates displacement tonnage. [2] Indicates Panama Canal net tonnage. [3] Indicates United States net tonnage

The foregoing noncommercial vessels transiting the Canal during the month of April, 1927, carried cargo as follows:

	Tons.
Atlantic to Pacific	5,121
Pacific to Atlantic	47,254
Totals	52,375

The following statement shows the number of launches transiting the Canal during the month of April, 1927. These launches, although paying tolls, are excepted from statements concerning commercial traffic:

	Number.	Tonnage.	Tolls.
Atlantic to Pacific	9	76	$61.29
Pacific to Atlantic	6	56	58.00
Totals	15	132	119.29

STATEMENT OF TERMINAL OPERATIONS.

Details of the business transacted at the Atlantic and Pacific terminals of the Panama Canal during the month of April, 1927, are shown in the following tabulation:

		Cristobal.	Balboa.	Total.
Local cargo arriving	tons	88,098	46,478	134,576
Local cargo shipped	tons	6,421	215	6,636
Transit cargo arriving	tons	2,380,853	2,469,780	4,850,633
Transit cargo clearing	tons	2,405,612	2,470,945	4,876,557
Cargo received for transshipment	tons	36,127	40	36,167
Cargo transshipped	tons	39,200	5	39,205
"Canal Zone for orders" cargo:				
Number of receipts issued		34	16	50
Number of withdrawals		261	100	361
Tons received		1,038	112	1,150
Packages received		4,744	1,248	5,992
Packages withdrawn		5,779	1,263	7,042
Vessels supplied with bunker coal:				
Commercial, other than Panama Railroad Company		71	1	72
Coal supplied to above vessels:				
Commercial, other than Panama Railroad Company	tons	22,157	1	22,158
Coal issued, miscellaneous:				
Panama Canal departments	tons	68	62	130
U. S. Army, excepting vessels	tons	117	.....	117
Individuals and companies	tons	121	.....	121
Panama Railroad Company	tons	7	10	17
Transferred to Navy	tons	73	.....	73
Total issues and sales	tons	22,543	73	22,616
Coal on hand, May 1, 1927	tons	98,191	.....	98,191
Coal on hand, April 1, 1927	tons	101,527	.....	101,527
Coal received during month	tons	19,207	.....	19,207
Coal received from Navy	tons	.....	73	73
Fuel oil issued from Panama Canal tanks:				
Panama Canal departments	bbls	7,181.93	17,087.38	24,269.31
Panama Railroad Company	bbls	237.91	.....	237.91
Army and Navy	bbls	311.20	189.67	500.87
Individuals and companies	bbls	.....	305.73	305.73
Total issues and sales	bbls	7,731.04	17,582.78	25,313.82
Fuel oil received during April, 1927	bbls	.....	.....	.....
Fuel oil on hand, May 1, 1927	bbls	56,589.59	64,373.38	120,962.97
Diesel oil sold during April, 1927	bbls	70.53	7.86	78.39
Diesel oil on hand, May 1, 1927	bbls	28,922.33	335.02	29,257.35
Miscellaneous transfers	bbls	.....	1,926.26	1,926.26
Gasoline and kerosene pumped for The Panama Canal	bbls	1,546.91	2,789.68	4,336.59
Gasoline pumped for individuals and companies	bbls	.....	5,094.08	5,094.08
Oil pumped for individuals and companies	bbls	817,936.24	605,033.92	1,422,970.16
Total fuel oil, gasoline, and kerosene handled	bbls	827,284.72	632,434.58	1,459,719.30
Admeasurement of vessels:				
U. S. equivalent certificates issued		11	4	15
Measured for Panama Canal net tonnage		4	3	7
Remeasured for Panama Canal net tonnage		12	3	15
Panama Canal net tonnage corrected		1	1	2
U. S. equivalent tonnage corrected		9	7	16
Services of harbor equipment:				
Tugs, total operating hours		644¾	442¾	1,087½
Launches, total operating hours		1,333	1,647½	2,980½
Scows, total operating days		.....	5	5
Revenue from tug service, pilotage, etc.:				
Tug revenue		$22,418.75	$13,409.00	$35,827.75
Pilotage		19,849.00	8,410.00	28,259.00
Seamen		10,608.00	10,740.00	21,348.00
Launch service		1,603.50	3,465.00	5,068.50
Wharfage		17,117.49	4,967.14	22,084.63
Ships measured		155.00	50.00	205.00
Miscellaneous and cash collections		585.30	588.00	1,173.30

	Cristobal.	Balboa.	Total.
Ships repaired at Panama Canal shops:			
Commercial	58	14	72
U. S. Army and Navy	5	14	19
Panama Canal equipment	7	3	10
Vessels dry docked:			
Commercial	3	.....	3
U. S. Army and Navy	.....	1	1
Panama Canal equipment	4	3	7
Clearances issued	287	250	537
Bills of health issued	291	254	545

ALL VESSELS ENTERING AND CLEARING PORT.

	Port of Cristobal.			Port of Balboa.		
	No. of ships.	Registered gross tonnage.	Registered net tonnage.	No. of ships.	Registered gross tonnage.	Registered net tonnage.
Ships entering.						
All vessels including those transiting Canal	560	3,302,700	2,056,816	515	3,118,524	1,973,923
Vessels entering port but not transiting Canal	73	310,852	187,461	8	56,788	38,407
Vessels transiting Canal and handling passengers and cargo at terminal ports	112	657,040	421,125	60	424,937	257,466
Ships clearing.						
All vessels including those transiting Canal	563	3,334,175	2,086,952	524	3,118,524	1,973,923
Vessels clearing port but not transiting Canal	76	314,558	189,920	18	73,478	55,097
Vessels transiting Canal and handling passengers and cargo at terminal ports	109	650,474	416,983	82	434,954	262,758

MOVEMENT OF PASSENGERS.

	At Cristobal.			At Balboa.		
	First class.	Others.	Total.	First class.	Others.	Total.
Disembarking:						
From Atlantic ports	1,651	1,506	3,157	76	233	309
From Pacific ports	210	63	273	268	148	416
Total disembarking	1,861	1,569	3,430	344	381	725
Embarking:						
For Atlantic ports	1,620	1,362	2,982	106	105	211
For Pacific ports	222	102	324	217	319	536
Total embarking	1,842	1,464	3,306	323	424	747
Remaining on board:						
From Atlantic to Pacific ports	898	3,192	4,090	844	2,983	3,827
From Pacific to Atlantic ports	1,938	1,756	3,694	2,022	1,514	3,536
From Atlantic to Atlantic ports	653	137	790	.....	.....	.....
From Pacific to Pacific ports	.....	.....	.....	44	516	560
Total remaining on board	3,489	5,085	8,574	2,910	5,013	7,923
Total arriving	5,350	6,654	12,004	3,254	5,394	8,648
Total departing	5,331	6,549	11,880	3,233	5,437	8,670

PASSENGER-CARRYING VESSELS THROUGH CANAL.

	Total commercial vessels.	Passenger-carrying vessels.	Per cent of total transits.
Atlantic to Pacific	226	36	15.9
Pacific to Atlantic	238	30	12.6
Totals	464	66	14.2

In addition to the aforesaid, 76 passenger-carrying vessels called at the port of Cristobal, and 2 at Balboa, without transiting the Canal, making a total of 144 passenger-carrying vessels calling at Canal ports during the month.

COMMISSARY SALES TO VESSELS.

Following is a statement of commissary sales to vessels during the month of April, 1927:

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Cristobal to:						
Commercial vessels	$2,570.67	13,126.49	25,355.74	$257.91	$6 027.86	$47,338.67
Government vessels	305.51	1,965.11	16,834.19	105.41	2,188.19	21,398.41
Panama Railroad vessels	.....	.....	1,853.10	656.68	436.66	2,946.44
Total sales, April, 1927	2,876.18	15,091.60	44,043.03	1,020.00	8,652.71	71,683.52
Total sales, April, 1926	2,999.22	11,903.39	38,059.83	638.90	5,599.55	59,200.89
Total sales, April, 1925	2,035.83	8,189.76	25,782.83	743.91	2,880.63	39,632.96
Sales at Balboa to:						
Commercial vessels	577.34	6,682.58	9,617.90	302.58	2,047.18	19,227.58
Government vessels	559.42	6,770.70	28,595.34	356.59	2,139.79	38,421.84
Total sales, April, 1927	1,136.76	13,453.28	38,213.24	659.17	4,186.97	57,649.42
Total sales, April, 1926	1,072.55	12,516.68	28,779.86	328.33	3,240.15	45,937.57
Total sales, April, 1925	1,131.05	9,896.50	23,086.85	925.22	1,745.23	36,784.85

The aggregate sales to Government vessels during the month was $59,820.25; to Panama Railroad vessels, $2,946.44; and to other commercial vessels, $66,566.25; making the total sales to all vessels $129,332.94.

LOCK OPERATIONS.

The following tabulations show the number of lockages, and the number of vessels passing through the locks during the month of April, 1927, as compared with the corresponding month in 1926, and 1925, together with the consumption of water for lockages, maintenance, etc., in April, 1927, as compared with the preceding month and the corresponding month in 1926:

Locks.	Number of lockages.						Comparative grand totals.		
	Commercial.			Noncommercial.					
	North.	South.	Total.	North.	South.	Total.	April, 1927.	April, 1926.	April, 1925.
Gatun	222	221	443	15	11	26	469	424	368
Pedro Miguel	224	225	449	19	20	39	488	444	389
Miraflores	224	222	446	19	13	32	478	434	380
	Number of vessels put through locks.								
Gatun	242	236	478	54	50	104	582	547	458
Pedro Miguel	242	235	477	70	59	129	606	548	454
Miraflores	243	236	479	69	58	127	606	546	457

CLASSIFICATION OF NONCOMMERCIAL VESSELS.

	Gatun.	Pedro Miguel.	Miraflores.
Army and Navy vessels	80	66	68
Panama Canal equipment	24	60	58
Panaman Government vessels	.....	3	3

The total consumption of water for lockages, maintenance, and loss in leakage was as follows:

	Gatun.	Pedro Miguel.	Miraflores.
	Cubic feet.	*Cubic feet.*	*Cubic feet.*
Lockages	1,513,070,000	1,337,100,000	1,375,000,000
Maintenance	10,980,000	....	....
Leakage	20,000,000	9,700,000	20,000,000
Totals, April, 1927	1,544,050,000	1,346,800,000	1,395,000,000
Totals, March, 1927	1,987,010,000	1,634,430,000	1,626,000,000
Totals, April, 1926	1,042,070,000	877,320,000	886,100,000

METEOROLOGY AND HYDROGRAPHY.

In the following tabulation the meteorological and hydrographic conditions over the Canal Zone and vicinity during the month of April are shown in comparative form:

Rainfall for month.	April.		April—Years of record.		
	1927.	1926.	Maximum.	Minimum.	Mean.
	Inches.	*Inches.*	*Inches.*	*Inches.*	*Inches.*
Pacific section	5.82	.04	7.70	.04	3.30
Central section	7.31	.14	9.12	.14	3.89
Atlantic section	8.65	.74	12.83	.74	5.83
Maximum recorded on any one day	5.45	.39	[1] 5.45	.....	.....
Gatun Lake watershed	7.62	.64	12.00	.67	4.43
Chagres River watershed above Alhajuela	8.35	.41	16.06	.51	4.47
Maximum recorded for month at any one point	15.52	1.75	21.75	.....	.....
Minimum recorded for month at any one point	3.70	.00	.....	.00	.....
Hydrography.	*C. f. s.*	*C. f. s.*	*C. f. s.*	*C. f. s.*	*C. f. s.*
Discharge of Chagres River at Alhajuela	1,581	281	3,140	281	1,004
Maximum momentary discharge for the month	14,635	305	[2] 29,200	.....	.....
Gatun Lake watershed, total yield	3,083	305	6,263	305	1,884
Gatun Lake watershed, net yield	2,248	-595	5,400	-706	1,191
Draft on Gatun Lake for lockages and power	2,528	1,679	2,528	[3] 1,019	[3] 1,858

[1] 12.25 represents the maximum 24-hour rainfall recorded on the Canal Zone and vicinity since American occupation recorded at Gatun on October 23 and 24, 1923. NOTE.—Extreme outlying stations in the Republic of Panama not included in this report. [2] April 3, 1915. [3] April, 1914, not included.

SEISMOLOGY.

One seismic disturbance was recorded during the month, on the 14th.

ELECTRICAL DIVISION.

In addition to the usual operating and maintenance work performed by this division, electrical installation and repair work was done on 21 vessels during the month. There were 283 work orders issued during April, as compared with 295 for the month of March.

MECHANICAL DIVISION.

During the month miscellaneous repairs were made on 70 vessels at Cristobal and 31 at Balboa. The annual overhaul to the U. S. Army mine planter *Wm. M. Graham* was started during the month.

MUNICIPAL ENGINEERING DIVISION.

The usual maintenance work on roads, streets, and walks, and to the sewer systems, was performed during the month.

The amount of water pumped during the month totaled 687,644,000 gallons

DREDGING DIVISION.

East and West Culebra slides showed no additional movement during April. There were no other slide movements, and there was no interference with Canal traffic during the month:

The total excavation during the month was 327,084 cubic yards, as follows:

Cubic yards.	Classified as—		Character of work.	Station.	Equipment.
	Earth.	Rock.			
140,000	140,000	.....	Maintenance	Atlantic terminals	*No. 83*
49,100	9,900	39,200	Maintenance	Gaillard Cut	*Gamboa.*
13,650	8,400	5,250	Maintenance	Pacific entrance	*Cascadas.*
66,950	66,950	.....	Maintenance	Pacific entrance	*Cascadas.*
55,674	55,674	.....	Auxiliary	Chagres River (gravel service)	*No. 86*
1,710	1,710	.....	Auxiliary	Sand from Chame	*La Valley.*

OCCUPANTS OF QUARTERS.

The number of persons, including men, women, and children, occupying Panama Canal and Panama Railroad quarters on April 30, 1927, totaled 20,486, of whom 7,158 were Americans, 192 Europeans, and 13,136 West Indians. The total number of persons in quarters on April 30, 1926, was 20,375.

WORKING FORCE.

The following tabulation shows the number of gold and silver employees as of April 20, 1927, together with a comparison of the working force for the preceding month, and for April, 1926:

	As of April 20, 1927.			Total employees.	
	Gold.	Silver.	Total.	March, 1927.	April, 1926.
Operation and Maintenance:					
Office	39	43	82	77	71
Electrical	148	171	319	319	316
Municipal Engineering	76	708	784	771	841
Lock Operation	225	829	1,054	1,842	873
Dredging	182	935	1,117	1,150	953
Mechanical	421	808	1,229	1,193	1,172
Marine	197	594	791	860	783
Fortifications	13	28	41	74	124
Totals	1,301	4,116	5,417	6,286	5,133
Supply Department:					
Quartermaster	181	1,652	1,833	1,606	1,540
Subsistence	8	94	102	124	108
Commissary	193	989	1,182	1,183	1,150
Cattle Industry	7	128	135	564	319
Hotel Washington	8	101	109	109	101
Transportation	48	203	251	253	244
Totals	445	3,167	3,612	3,839	3,462
Accounting Department	198	8	206	207	198
Health Department	233	836	1,069	1,071	980
Executive Department	493	279	772	769	776
Totals	924	1,123	2,047	2,047	1,954
Panama Railroad:					
Superintendent	45	239	284	275	228
Transportation	61	118	179	188	170
Receiving and Forwarding Agent	84	1,206	1,290	1,394	1,213
Coaling stations	48	265	313	298	326
Totals	238	1,828	2,066	2,155	1,937
Grand totals, April, 1927	2,908	10,234	13,142	.....	.....
Grand totals, March, 1927	2,962	11,365	.....	14,327	.....
Grand totals, April, 1926	2,832	9,654	.....	.....	12,486

VITAL STATISTICS.

A total of 135 deaths occurred during the month of April, 1927, among the population of the Canal Zone, and the cities of Panama and Colon, which is equivalent to an annual death rate of 12.67 per 1,000 population. The leading causes of death were: Pneumonia (broncho and lobar), 21; tuberculosis (various organs), 19; nephritis (acute and chronic), 14; organic diseases of the heart, 13; and diarrhea and enteritis, 6. There was 1 death from diphtheria, 1 from leprosy, 3 deaths from meningococcus meningitis, 3 from apoplexy, and 5 from cancer (various forms). There were 12 deaths among nonresidents of the Isthmus. These are not included in the above statistics.

There were 261 live births reported during the month, and 14 stillbirths. Including stillbirths, this is equivalent to an annual birth rate of 25.81 per 1,000 population. Deaths among children under 1 years of age numbered 24, giving an infant mortality rate of 91.95 per 1,000 live births.

The total number of malaria cases reported from the Zone and the cities of Panama and Colon during April, was 49, of whom 3 were employees (all colored), 1 was a member of a colored employee's family, 9 were other civilian nonemployees, and 36 were Army and Navy personnel—the majority of whom received their infection while on maneuvers outside the sanitated areas. Two of the 4 employees and members of their families were probably infected outside our sanitary areas, as they gave a history of working, living, or having been in such areas at night previous to their becoming sick.

The total number of cases, 49, compares favorably with April in former years, there being only two years in the past ten when the total number of cases reported was fewer—33 in 1920 and 47 in 1926.

There were no deaths from malaria.

RECEIPTS AND SALES OF MATERIALS AND SUPPLIES.

The value of material ordered on United States requisitions and received on the Isthmus during the month totaled $788,811.66, of which $764,700.76 was for the Department of Operation and Maintenance, and $24,110.90 for other Panama Canal departments.

Cash sales on the Isthmus from stock, fuel oil, scrap, and obsolete and second-hand material amounted to $45,424.98.

FINANCIAL STATEMENT.

The following statement shows in a condensed form the aggregate revenue and expenditures for the month of March, 1927, as compared with March, 1926, together with figures for the first 9 months of the current fiscal year as compared with the same period in the fiscal year 1926.

It is impossible to submit the figures for the month of April at the time of writing this report, since all the charges, etc., involved in the accounting have not been completed:

	Month.		Fiscal year.	
	March, 1927.	March, 1926.	This year.	Last year.
Tolls	$2,218,070.59	$2,204,080.12	$18,126,107.13	$17,101,549.31
Other receipts	304,655.09	285,568.58	2,718,473.63	2,453,560.95
Total transit revenues	2,522,725.68	2,489,648.70	20,844,580.76	19,555,110.26
Total transit expenses	1,099,961.33	899,517.09	9,136,230.69	8,108,746.93
Net transit revenues	1,422,764.35	1,590,131.61	11,708,350.07	11,446,363.33
Three per cent capital charge	607,810.64	614,296.93	5,481,849.12	5,512,991.84
Transit surplus	814,953.71	975,834.68	6,226,500.95	5,933,371.49
Business revenues	1,631,180.67	1,388,010.01	11,424,183.17	11,496,947.44
Business expenses	1,493,169.49	1,222,968.58	10,543,770.87	10,794,419.47
Net business revenues	138,011.18	165,041.43	880,412.30	702,527.97
Three per cent capital charge	58,088.44	54,378.45	554,787.98	523,631.69
Business surplus	79,922.74	110,662.98	325,624.32	178,896.28
Combined revenues	3,868,101.55	3,612,327.75	29,884,595.08	28,760,653.78
Combined expenses	2,307,326.02	1,857,154.71	17,295,832.71	16,611,762.48
Combined net revenues	1,560,775.53	1,755,173.04	12,588,762.37	12,148,891.30
Three per cent capital charge	665,899.08	668,675.38	6,036,637.10	6,036,623.53
Combined surplus	894,876.45	1,086,497.66	6,552,125.27	6,112,267.77

Respectfully,
M. L. WALKER,
Governor.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Two Weeks Ending May 21, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Amersfoort	Royal Netherlands S. S. Co.	May 9	May 10	125	.....
Salinas	Union Oil Co	May 9	May 10	10,129	.....
Tongking	East Asiatic Co.	May 14	May 14	339	.....
Arana	Pacific Steam Navigation Co.	May 15	May 15	.....	1
Acajutla	Pacific Steam Navigation Co.	May 15	May 15	.....	8
H. M. Storey	Standard Oil Co.	May 16	May 17	15,279	.....
Iocoma	Imperial Oil Co., Ltd.	May 16	May 20	.....	1
Mayebashi Maru	Nippon Yusen Kaisha	May 17	May 18	87	.....
Hampton Roads	Oil Transport Co	May 19	May 20	11,151	.....
Colombia	Panama Mail S. S. Co.	May 19	May 20	182	.....
Ecuador	Panama Mail S. S. Co.	May 20	May 20	64	2
President Van Buren	Dollar Line	May 20	May 20	.....	15
Jacksonville	New York Shipbuilding Corp.	May 20	May 20	.....	8
San Luis	Luis Escruceria & Co.	May 20	May 21	.....	1

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, May 21, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Acajutla	4	18 25	15	6.15	15	13 22	15	15.40	British	Pacific Steam Nav. Co	215.7	33 5	18 0	Cristobal, C. Z	Champerico, Guat.	General	1,172	1,273	706
Arana	13	13 50	15	6 15	15	13.38	15	15 05	British	Pacific Steam Nav. Co	303 0	43.0	18.3	New York, N. Y.	Pimental, Peru	General	1,274	2,851	1,697
Rhein [2]	12	21 10	15	6 15	15	15 35	16	1.50	German	Hamburg-American Line	453.8	58.2	21.6	Hamburg, Germany	Buenaventura, Col.	General	6,298	8,071	5,952
El Lobo [1]	14	16 15	15	7.25	15	14.45	15	15 40	British	C. T. Bowring & Co	335.2	51.0	18.0	Halifax, N. S.	La Libertad, Ec'dor.	Ballast		4,851	3,311
Charles Christensen	14	18.20	15	7.15	15	15.11	15	16 05	American	Sudden & Christensen	409.7	54.2	19.7	New York, N. Y.	Los Angeles, Calif.	General	4,958	6,693	4,915
David McKelvy [1]	14	23 15	15	8 35	15	15 59	15	17.00	American	Tidewater Oil Co	430.0	59.0	22.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,629	5,325
Lancaster	15	12 30	15	8 35	15	16 25	15	21 08	American	Isthmian S. S. Lines	434.0	57 7	26.0	Baltimore, Md	Seattle, Wash	(5)	9,153	7,935	5,841
H. M. Flagler [1]	15	1 30	15	9 45	15	16 46	15	17 50	American	Standard Oil Co	461.6	60.0	18.0	New York, N. Y.	Los Angeles, Calif.	Ballast		8,450	6,089
Marthara	15	1.40	15	10 15	15	17.07	15	18.05	British	McClay & McIntyre	403.0	52.0	17.0	New York, N. Y.	San Antonio, Chile	General	2,000	5,629	4,133
William Campion	15	4 35	15	10 55	15	18.07	15	19.15	American	Garland S. S. Corp.	384.4	51.2	14.0	Baltimore, Md.	Aberdeen, Wash.	Ballast		6,327	4,433
Bohemian Club [1]	15	9 08	15	11 55	15	19 05	16	3 35	American	Atlanti · Refining Co	425 0	57.2	22.0	London, England	Los Angeles, Calif.	Ballast		7,204	4,769
Comerie	15	9 45	15	13 15	15	21.03	15	22 45	British	Andrew Weir & Co	412 5	55.5	25.6	New York, N. Y.	Hongkong, China.	General	8,500	7,186	5,335
Chiman [2]	14	22.45	15	13 30	15	21 03	16	23 57	Panaman	Isth. Land & Fruit Co	116 0	21.0	7 7	Cristobal, C. Z	Buenaventura, Col.	Ballast		211	124
Argonne [3]	16	6 15	16	6 20	16	14.04	17	4 31	American	U. S. Navy	436.0	58.0	....	High seas	Balboa, C. Z.	Ballast			
Scania	15	14.00	16	6.20	16	14.30	16	17.30	Swedish	Colombian Transp. Co.	180.7	29.0	11.0	Cristobal, C. Z.	Buenaventura, Col.	Ballast		720	421
Samuel Q. Brown [1]	15	21 25	16	7.20	16	15 20	16	16 30	American	Tidewater Oil Co	424.4	58.2	20.0	New York, N. Y.	Los Angeles, Calif	Ballast		7,333	5,183
Agwimars	16	1 05	16	8.20	16	16 10	16	17.30	American	Standard Transp. Co.	429.3	59 2	19.6	New York, N. Y.	Los Angeles, Calif.	Ballast		7,596	5,269
Mamari	15	15 25	16	9 45	16	17 02	16	18.25	British	Shaw, Savill & Albion	455 4	56 0	25.11	London, England	Auckland, N. Z.	General	5,006	8,641	6,010
Vinemoor [4]	16	3 05	16	10 50	16	19 50	17	2.17	British	Moor Line	375.0	52 6	24.4	Houston, Texas	Kobe, Japan	(6)	6,800	6,099	4,691
J. A. Moffett, Jr. [1]	16	3 18	16	10 35	16	18 04	16	19.25	American	Standard Oil Co	499.2	68.1	20.6	Montreal, Canada	Talara, Peru	Ballast		11,037	7,995
Bologna	14	5 35	16	12.05	16	18.42	16	20.00	Italian	Navigazione Generale Italiana.	384.0	46.0	20.7	Genoa, Italy	Valparaiso, Chile	General	705	5,531	3,774
L. J. Drake [1]	16	17 08	17	6 05	17	13 18	17	14.20	American	Standard Oil Co	419.0	57.0	19.0	New York, N. Y.	Talara, Peru	Ballast		7,180	4,787
El Oso [1]	16	22 00	17	6 25	17	13.40	17	18 33	British	Anglo-Saxon Pet. Co	440.5	57.5	17 0	Southampton, Eng.	Los Angeles, Calif	Ballast		7,478	5,040
Sulanieroc	17	2 38	17	7 25	17	14 16	17	15.18	American	Transmarine Lines	324.0	46.2	17.6	New Orleans, La.	Los Angeles, Calif	General	1,560	3,984	2,628
Steel Mariner	17	7 10	17	7 25	17	15 06	17	20 48	American	U. S. Steel Products Co.	424 2	56.2	26.0	Baltimore, Md	Vancouver, B. C.	(7)	8,408	7,611	5,450
Santa Veronica	17	7 25	17	8.25	17	16.10	17	21.26	American	Isthmian S. S. Lines	251.0	43.6	24 6	Baltimore, Md	Los Angeles, Calif.	Iron and steel		3,431	2,823	1,740
Pipiriki	17	00.25	17	9.40	17	17 05	17	18 50	British	Federal Steam Nav. Co.	472.0	59 3	27.3	New York, N. Y.	Albany, Australia.	General	9,050	8,710	6,216
Robin Gray	17	3.35	17	10.40	17	18 20	17	19.55	American	Isthmian S. S. Lines	425.0	55.0	28.1	Baltimore, Md	Tacoma, Wash	Steel, general	9,507	7,472	5,542
Ucayali	13	18.15	17	12.10	17	19 30	17	20.48	Peruvian	Peruvian Line	374.0	46.3	16.10	Cristobal, C. Z	Buenaventura, Col.	General	162	44.66	2,405
Algonquin [1]	17	12 05	17	12.50	17	20 00	18	1.20	American	Standard Transp. Co	435.0	56.0	21.0	New York, N. Y.	San Francisco, Cal.	Ballast		7,602	5,337
Sofia [4]			17		17	15.10			Panaman	A. Ferrari				Cristobal, C. Z.	Gatun, C. Z.	Ballast		2	2
Salinas [1]					18	12 28	18	18.35	American	U. S. Navy	463.0	60.0	18.6	Gatun Lake, C. Z.	Balboa, C. Z.				
Tustem [1]	17	15.03	18	6.10	18	13.09	18	14.25	American	Atlantic Refining Co	423.0	57.2	25.2	Havana, Cuba	Los Angeles, Calif	Ballast		7,204	4,768

[1] Tanker. [2] Motor ship. [3] Submarine tender. [4] Launch. [5] Structural steel and tin plates. [6] Phosphate, cotton, and rosin. [7] Steel, tin plates, and rails.

Ario [7]	17	16.35	18	6.20	18	13.31	18	16.49	American	Standard Transp. Co.	435.6	56.2	18.0	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	7,386	5,117
Lillian Luckenbach	17	19.25	18	7.05	18	14.26	18	15.35	American	Luckenbach Line	448.9	60.2	26.8	New York, N. Y.	Seattle, Wash.	General	7,147	9,294	6,865
Lebore	17	22.50	18	7.35	18	15.10	19	1.19	American	Ore S. S. Corp.	549.0	72.0	21.0	New York, N. Y.	Cruz Grande, Chile	Ballast	.....	14,325	4,635
Hawaiian	18	4.20	18	8.20	18	15.20	18	16.30	American	American-Hawaiian Line	404.0	53.9	22.8	Boston, Mass.	Seattle, Wash.	General	4,578	6,766	4,809
Nevada	17	15.50	18	9.00	18	16.28	18	17.45	French	French Line	419.0	56.0	24.5	Dunkirk, France	Seattle, Wash.	General	6,157	7,590	5,196
Havre Maru	18	8.40	18	9.40	18	16.59	18	20.24	Japanese	Osaka Shosen Kaisha	407.0	50.0	25.0	New York, N. Y.	Shanghai, China	(12)	6,734	6,539	4,773
Trefusis	18	9.20	18	10.55	18	18.37	18	20.00	British	Hain S. S. Co.	400.3	52.4	22.6	New York, N. Y.	Cape Thevenord, Australia.	General	5,142	5,810	4,096
Aroostook [8]	18	11.05	18	11.25	18	17.36	19	7.19	American	U. S. Navy	375.1	52.2	18.0	High seas	Corinto, Nicaragua	Ballast	.....	.....	.....
Jamaica	4-4	18.45	18	11.35	18	19.53	18	21.09	British	Pacific Steam Nav. Co	220.0	34.0	13.0	Cristobal, C. Z.	Buenaventura, Col.	General	787	1,187	622
San Felix [1]	18	10.15	18	12.15	18	20.34	19	2.21	British	Anglo-Mexican Pet. Co	530.4	69.4	19.3	London, England.	Los Angeles, Calif.	Ballast	.....	13,556	9,593
Dos Hermanos [9]	17	20.05	18	.....	18	17.45	18	20.00	Panaman	1sth. Land & Fruit Co.	35.0	12.0	.....	Cristobal, C. Z.	Panama, R. P.	Ballast	.....	17	13
Santa Ana	18	15.20	19	6.15	19	12.10	19	16.30	American	Grace Line	360.0	51.6	22.0	New York, N. Y.	Talcahuano, Chile	General	2,895	5,776	4,081
Willboro	19	5.15	19	9.30	19	16.15	19	22.12	American	Williams S. S. Line	414.7	55.7	20.9	Baltimore, Md.	Seattle, Wash.	General	6,297	7,717	5,763
Medusa [10]	18	14.00	19	11.15	19	18.14	19	19.26	American	U. S. Navy	460.0	70.0	22.6	Quantico, Va.	Corinto, Nicaragua	Supplies	200	.....	.....
Silverash [2]	19	11.55	19	12.10	19	18.54	19	20.20	British	Kerr S. S. Co.	425.6	53.3	22.6	New York, N. Y.	Shanghai, China	General	4,850	8,219	5,861
City of Rayville [2]	19	19.55	19	13.2	19	20.09	20	7.28	American	Roosevelt S.S.Co., S.B.	401.9	54.2	19.6	New York, N. Y.	Fremantle, Aust'lia	Case oil, general.	3,677	7,097	5,268
Ecuador	18	3.45	20	6.25	20	13.05	20	22.36	American	Panama Mail S. S. Co.	330.6	48.7	23.8	New York, N. Y.	San Francisco, Cal.	General	2,987	5,926	4,173
Saint Joseph	16	9.45	20	6.05	20	13.56	20	15.05	French	French Line	398.1	50.3	19.3	Havre, France	Valparaiso, Chile	General	2,220	5,979	4,170
Saint Louis [9]	17	17.00	20	6.00	20	14.57	21	2.12	Colombian	L. Escruceria & Son	75.0	15.9	5.0	Cristobal, C. Z.	Tumaco, Colombia	General	95	.....	32
President Van Buren	20	5.40	20	7.20	20	14.54	20	23.55	American	Dollar Line	502.1	62.2	24.3	New York, N. Y.	San Francisco, Cal.	General	3,200	12,023	8,495
All America [11]	19	9.25	20	8.15	20	15.55	.....	.....	American	All America Cable Co.	278.4	37.0	16.0	New York, N. Y.	Balboa, C. Z.	Ballast	.....	1,919	875
Jacksonville [2]	19	17.03	20	8.15	20	16.09	20	20.55	American	Grace Line	333.8	48.0	22.3	New York, N. Y.	Callao, Peru	General	3,587	4,128	2,664
Dreghtdijk [2]	19	10.10	20	9.25	20	16.59	20	18.24	Dutch	Holland-American Line	485.0	62.0	21.11	Rotterdam, Holland	Vancouver, B. C.	General	3,304	10,793	7,610
Reginolite [2] [1]	19	17.15	20	10.59	20	18.42	21	1.01	British	Imperial Oil Co., Ltd.	439.2	63.0	20.6	Halifax, N. S.	Talara, Peru	Ballast	.....	9,231	6,304
Atlantic Sun [2]	19	19.55	20	11.40	20	19.34	20	20.25	American	Sun Oil Co.	429.3	59.2	17.6	Chester, Pa.	Los Angeles, Calif.	Ballast	.....	7,568	5,283
Frey	19	23.20	20	13.15	20	20.45	20	23.14	Norwegian	Scandinavian-Pac. Line	321.6	41.6	24.0	Oslo, Norway	Buenaventura, Col.	Cement	3,936	3,057	2,199
Remuera	20	16.52	21	6.15	21	13.17	21	20.43	British	N. Z. Shipping Co.	484.0	62.3	24.3	London, England	Wellington, N. Z.	General	4,142	11,911	8,945
Emidio [1]	20	17.25	21	6.3	21	13.27	21	14.35	American	General Petroleum Co.	435.0	56.2	20.0	Boston, Mass.	Los Angeles, Calif.	Ballast	.....	7,433	5,058
Hagood [1]	20	21.50	21	7.15	21	14.16	21	15.25	American	Cities Service Corp.	435.6	56.2	14.6	Philadelphia, Pa.	Los Angeles, Calif.	Ballast	.....	7,426	5,094
Gargoyle [1]	21	5.50	21	8.07	21	15.44	21	16.45	American	Vacuum Oil Co.	425.0	57.2	19.4	Philadelphia, Pa.	San Francisco, Cal.	Ballast	.....	7,519	4,989
Stella	7	18.55	21	8.20	21	16.18	21	18.05	Norwegian	Panama Mail S. S. Co.	195.1	32.9	16.7	Cristobal, C. Z.	Champerico, Guat	General	850	985	606
Axtel J. Byles [1]	21	6.30	21	9.30	21	16.55	21	18.05	American	Tidewater Oil Co	468.3	62.7	19.11	New York, N. Y.	Los Angeles, Calif	Ballast	.....	9,776	6,903
Ontariolite [1]	21	7.45	21	10.30	21	19.18	22	00.07	British	Imperial Oil Co., Ltd.	470.0	63.2	28.6	Cartagena, Col.	Ioco, B. C.	Crude oil	12,462	9,191	6,051
Nebraskan	21	9.35	21	12.45	21	20.04	21	21.09	American	C. H. Sprague & Son	368.6	55.2	14.3	New York, N. Y.	Seattle, Wash.	Ballast	.....	5,887	3,865

[1] Tanker. [8] Mine layer. [9] Motor schooner. [10] Repair ship. [11] Cable ship. [12] General and kerosene oil.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Scania [2]	14	16.10	15	6.15	15	14.00	16	6.20	Swedish	Colombian Transp. Co.	180.7	29.0	12.6	Buenaventura, Col.	Cristobal, C. Z.	(13)	785	720	421
New Britain	14	22.50	15	7.21	15	15.05	15	15.25	American	Black Diamond S.S.Co.	386.8	53.2	23.0	Olympia, Wash.	New York, N. Y.	Lumber	5,959	5,684	4,082
Noorderdijk	15	1.30	15	8.10	15	17.45	16	90.03	Dutch	Holland-American Line	470.0	58.0	27.8	Vancouver, B. C.	Rotterdam, Holland	Grain, general	9,508½	8,888	6,612
Jason	15	4.30	15	9.13	15	18.28	15	23.32	Dutch	Royal Neth S. S. Co.	364.4	48.45	21.8	Corral, Chile	Antwerp, Belgium	General	4,226	4,321	3,108
Emden	15	10.15	15	11.07	15	19.10	15	21.45	German	Hamburg-American Line	389.1	52.2	29.0	Valparaiso, Chile	Hamburg, Germany	Nitrates	8,569	5,994	4,058
Svealand [2]	16	4.15	16	5.50	16	15.30	16	15.30	Swedish	Axel Brostrom & Son	561.3	72.2	34.0	Cruz Grande, Chile	New York, N. Y.	Iron ore	20,000	15,425	4,421
Canadian Importer	15	17.00	16	7.12	16	15.40	16	15.40	British	Can. Gov. Mer. Marine	400.0	52.0	23.6	Vancouver, B. C.	Montreal, Canada	Lumber	6,041	5,591	4,186

[1] Tanker. [13] Gold, platinum, and general.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—Continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
St. Louis [14]	15	5 00	16	7.11	16	17.00	20	6.00	Colombian	Luis Escrucceria & Son	75.0	15.9	12.0	Tumaco, Colombia	Cristobal, C. Z.	General	70	82	32
American	15	13 06	16	8 03	16	16 30	16	16 30	American	American-Hawaiian Line	404.6	53.9	25.6	Portland, Oreg.	Boston, Mass	General	5,992	6,789	4,746
Memphis City	15	22 15	16	9.2	16	17.30	16	20 55	American	Istamian S. S. Lines	424.2	56.2	26.0	Vancouver, B. C.	Avonmouth, Eng.	General	7,851	7,611	5,459
Willfaro	16	10 5	16	9.45	16	17 55	16	17.55	American	Williams S. S. Line	386.8	52.2	24.3	Bellingham, Wash.	Baltimore, Md	Lumber, general	6,485	5,684	4,090
Santa Cecilia	16	10 35	16	11.19	16	19.22	16	19.22	American	Planet Line	494.0	53.9	28.0	Seattle, Wash.	Baltimore, Md	Lumber, general	7,440	6,745	4,562
Oneida	16	4 00	16	12.13	16	19 55	16	19.55	American	Ford Motor Co.	251.6	43.6	22.3	Aberdeen, Wash.	New York, N. Y.	([19])	2,794	2,656	1,632
Axel Johnson [15]	16	3 45	16	13 32	16	20 44	17	00.15	Swedish	Johnson Line	409.0	52.6	26.2	Vancouver, B. C.	Gothenberg, Sweden	General	6,123	6,642	4,860
Salmonpool	16	12.05	16	13 55	16	22.00	17	00.53	British	Sir R. Ropner & Co.	389.8	55.5	22.0	Victoria, B. C	Quebec, Canada	Lumber	5,975	5,801	4,346
Sunik [1]	16	15.2	17	6.31	17	13.20	17	13.20	French	Les Petroles D'Outre Mer.	385.0	50.18	24.10	Los Angeles, Calif.	Land's End, Eng. [20]	Gasoline	6,469	5,177	3,806
Feltre [15]	16	18.00	17	7.23	17	15.25	13	05.15	Italian	Nav. Libera Italiana	450.0	55.0	27.0	Vancouver, B. C.	Trieste, Italy	General	8,900	7,795	5,916
Duendes	17	6.0	17	8.19	17	16.45	17	22.20	British	Pacific Steam Nav. Co.	399.0	50.0	25.0	Corral, Chile	London, England	General	5,238	6,006	4,287
Dos Hermanos [14]	17	9.4	17	10.30	17	20.05	18	11.38	Panaman	Isth. Land & Fruit Co.	35.0	12.0	5.0	El Real, R. P.	Cristobal, C. Z.	Bananas		17	13
London Shipper	17	10.0	17	11.04	17	18 30	17	23 35	British	Furness, Withy & Co.	450.4	53.0	29.0	Vancouver, B. C.	Glasgow, Scotland	General	9,033	8,662	6,099
Trenton [16]	18	5.0	18	6.00	18	12.50	18	17.00	American	U. S. Navy	559.0	55.0	19.0	Corinto, Nicaragua	Hampton Rds, Va.				
Robert Luckenbach	17	16.40	18	7.18	18	15.10	18	15.10	American	Luckenbach Line	445.0	58.0	25.10	Seattle, Wash.	Boston, Mass.	General	7,972	8,695	6,375
Mayebashi Maru	17	11 5	18	8 21	18	15.55	13	15.55	Japanese	Nippon Yusen Kaisha	445.0	53.0	25.0	Manila, P. I.	New York, N. Y.	General	7,617	8,012	5,749
Sedgepool	17	21.00	18	9.12	18	17 2	13	17.20	British	Sir R. Ropner & Co.	415.0	55.0	23.6	Prince Rupert, B.C.	Fayal, Azores [20]	Wheat	8,522	6,641	4,812
Virginian	18	4 42	18	9 29	18	17.35	13	17 35	American	American-Hawaiian Line	491.5	58.2	27.10	Tacoma, Wash.	Boston, Mass.	Lumber, general	7,500	10,491	7,546
Roland	18	5 30	18	9.50	18	18 55	19	11.50	German	Roland Line	369.6	51.0	22.0	Corral, Chile	Hamburg, Germany	General	5,938	4,719	3,374
Resolute	18	5.55	18	12 16	18	19.1	13	22.07	German	Hamburg-American Line	596.5	72.3	.....	Los Angeles, Calif.	New York, N. Y.	Passengers only			
C. A. Larsen [17]	18	17.00	19	6.20	19	14.10	19	14.15	Norwegian	Rasmussen & Kennow.	510.8	66.6	29.0	Ross Port, South Pacific.	New York, N. Y.	([21])	10,565	15,017	10,329
Chile [15]	18	17 30	19	7.12	19	15.4	19	16.35	Danish	The East Asiatic Co.	425.3	55.2	29.0	Vancouver, B. C.	Copenhagen, Den.	General	9,897	7,382	5,663
Aconcagua	19	4.45	19	7.50	19	17.1	19	20.10	Chilean	South American Line	422.8	56.2	26.0	Valparaiso, Chile	New York, N. Y.	General	8,015	7,758	4,705
Swiftwind [1]	19	11.55	19	12 50	19	20.3	....	1.00	American	C. D. Mallory & Co.	464.65	60.2	23.0	Los Angeles, Calif.	Fall River, Mass.	Crude oil	11,000	8,473	5,997
Bilkandoit [18]	.....	.....	19	6 43	.....	.....	.....	.....	American	E. W. Brady	.....	.....	.....	Balboa, C. Z	Gatun Lake, C. Z.				
San Teodoro [1]	19	21.00	20	6.01	20	13.50	20	16.50	British	Anglo-Mexican Pet. Co.	412.0	53.4	24.0	Los Angeles, Calif.	Lizard's Head, England [20].	Gasoline	7,388	6,006	4,200
Colombia	19	13.15	20	7.13	20	15.20	21	12.35	American	Panama Mail S. S. Co.	330.0	47.7	22.10	San Francisco, Cal.	New York, N. Y.	General	2,978	6,015	4,281
Canadian Inventor	20	6.45	20	8.01	20	16.10	20	17.25	British	Can. Gov. Mer. Marine	400.0	52.0	17.0	Sydney, Australia	Montreal, Canada	General	1,600	5,916	4,159
Kinderdijk	20	9 45	20	10.43	20	13.15	21	1.45	Dutch	Holland-American Line	469.0	53.21	24.6	Vancouver, B. C.	Antwerp, Belgium	General	9,291	8,515	6,060
Orinoco	20	10.20	21	11.21	20	19.10	20	17.10	American	Oriental Navigation Co.	377.0	52.0	25.2	Raymond, Wash.	Philadelphia, Pa.	Lumber	5,486	5,455	3,902
Quail [22]	.....	.....	20	12.14	20	20.45	20	.....	American	U. S. Navy	180.0	35.6	.....	High seas	Cristobal, C. Z.				
O-8 [22]	.....	.....	20	12.14	20	20 35	20	.....	American	U. S. Navy	172.4	18.0	.....	High seas	Cristobal, C. Z.				
O-6 [22]	.....	.....	20	12.14	20	20.35	20	.....	American	U. S. Navy	172.4	17.0	.....	High seas	Cristobal, C. Z.				

[1] Tanker. [14] Motor schooner. [15] Motor ship. [16] Cruiser. [17] Whaler. [18] Launch. [19] Lumber and automobile parts. [20] For orders. [21] Kerosene and whale oil. [22] Mine sweeper.
[23] Submarine.

O-7 [23]			20	12.19	20	20.35	20		American	U. S. Navy	172.4	18.0		High seas	Cristobal, C. Z.				
O-9 [23]			20	12.19	20	20.35	20		American	U. S. Navy	172.4	18.0		High seas	Cristobal, C. Z.				
O-10 [23]			20	12.19	20	20.35	20		American	U. S. Navy	172.4	18.0		High seas	Cristobal, C. Z.				
Balboa [15]	20	10.05	20	13.21	20	21.50	20	21.50	Swedish	Johnson Line	425.0	56.0	25.6	Honolulu, T. H.	Stockholm, Sweden	Barley, general	7,458	7,480	5,533
Canadolite [15]	20	18.30	21	6.17	21	14.40	21	14.40	British	Imperial Oil Co., Ltd.	510.9	68.2	30.6	Talara, Peru	Montreal, Canada	Crude oil	16,100	11,556	7,658
Cricanola [24]	21	6.00	21	6.40	21	12.05	21	12.05	Panaman	United Fruit Co.	105.0	14.0		Panama Bay, R. P.	Cristobal, C. Z.			92	57
Port Victor	21	9.30	21	10.59	21	18.30	21	22.37	British	Com'lth & Dom. Line	470.0	58.0	27.6	Wellington, N. Z.	London, England	Frozen, general	7,228	9,336	6,682
Spreewald [15]	21	2.30	21	12.16	21	19.40	21	23.15	German	Hamburg-American Line	399.6	54.2	26.3	Corral, Chile	London, England	General	6,936	6,791	4,997
Bethore	21	7.30	21	15.36	22	12.30	22	13.30	American	Ore S. S. Corp.	550.3	72.2	34.0	Cruz Grande, Chile	Baltimore, Md.	Iron ore	19,800	15,476	4,354

[24] Motor yacht. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
May 15	San Jose	United Fruit Co.	New York, N. Y.	May 15	San Jose	United Fruit Co.	New York via Habana.
May 15	Parismina	United Fruit Co.	New Orleans via Habana.	May 15	Ulua	United Fruit Co.	New York via Habana.
May 15	Ulua	United Fruit Co.	Port Limon, Costa Rica.	May 16	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
May 15	Nortonian	Leyland Line	Liverpool via wayports.	May 16	Parismina	United Fruit Co.	New Orleans via wayports.
May 16	Toloa	United Fruit Co.	New York via Habana.	May 16	Nortonian	Leyland Line	Cardenas, Cuba.
May 17	Pellerin de la Touche	French Line	Havre via wayports.	May 17	Galicia	Hamburg-American Line	Hamburg via wayports.
May 18	Saramacca	United Fruit Co.	Bocas del Toro, R. P.	May 18	Saramacca	United Fruit Co.	New Orleans, La.
May 18	Coppename	United Fruit Co.	New Orleans, La.	May 18	Toloa	United Fruit Co.	Port Limon, Costa Rica.
May 18	Santa Marta	United Fruit Co.	New York via Kingston.	May 18	Inapaquina [25]	United Fruit Co.	Colon, R. P.
May 18	Registar	J. S. Webster & Sons	Kingston, Jamaica.	May 19	U. D. Vinton [26]	G. I. Bryan	Bluefields, Nicaragua.
May 18	Carrillo	United Fruit Co.	Colombian ports.	May 19	Brion	Royal Netherlands S. S. Co.	Curacao, D. W. I.
May 18	Inapaquina [25]	United Fruit Co.	Colon, R. P.	May 19	Santa Marta	United Fruit Co.	Colombian ports.
May 19	U. D. Vinton [26]	G. I. Bryan	Colon, R. P.	May 19	Carrillo	United Fruit Co.	New York via Kingston.
May 19	Stuyvesant	Royal Netherlands S. S. Co.	Amsterdam via wayports.	May 19	Stuyvesant	Royal Netherlands S. S. Co.	Port Limon, Costa Rica.
May 19	Virginia	Standard Fruit S. S. Co.	New Orleans, La.	May 19	Coppename	United Fruit Co.	Port Limon via Bocas del Toro, R. P.
May 20	No. 289 [27]	U. S. Navy	Bluefields, Nicaragua.				
May 21	Virginia	Standard Fruit S. S. Co.	San Blas coast, R. P.	May 19	Virginia	Standard Fruit S. S. Co.	San Blas coast, R. P.
May 21	Stuyvesant	Royal Netherlands S. S. Co.	Port Limon, Costa Rica.	May 19	Pellerin de la Touche	French Line	Havre via wayports.
May 21	Otto Hugo Stinnes	Hamburg-American Line	Bremen, Germany.	May 21	Virginia	Standard Fruit S. S. Co.	New Orleans, La.
May 21	Mayari	United Fruit Co.	New York, N. Y.	May 21	Stuyvesant	Royal Netherlands S. S. Co.	Amsterdam, Holland

[25] Motor schooner. [26] Schooner. [27] Destroyer.

PORT OF BALBOA.

May 16	Iocoma	Imperial Oil Co., Ltd.	Callao, Peru.	May 16	Carabobo [31]	Colombian Government	Buenaventura, Colombia.
May 16	H. M. Storey	Standard Oil Co. of California	Los Angeles, Calif.	May 17	H. M. Storey	Standard Oil Co. of California	Los Angeles, Calif.
May 16	Cricanola [28]	United Fruit Co.	Panama Bay, R. P.	May 17	Cricanola [28]	United Fruit Co.	Panama Bay, R. P.
May 17	Pathfinder [29]	Mrs. L. G. Salkey	Panama Bay, R. P.	May 17	Pathfinder [29]	Mrs. L. G. Salkey	Panama Bay, R. P.
May 19	Hampton Roads	Oil Transport Co.	Los Angeles, Calif.	May 18	Hampton Roads	Oil Transport Co.	Los Angeles, Calif.
May 21	Willet [30]	Merritt, Chapman & Scott	Puntarenas, Costa Rica.	May 21	Willet [30]	Merritt, Chapman & Scott	Puntarenas, Costa Rica.
May 21	Agnes E. [29]	Pacific Fruit Co.	Panama Bay, R. P.	May 21	Agnes E. [29]	Pacific Fruit Co.	Panama Bay, R. P.

[28] Motor yacht. [29] Motor schooner. [30] Salvage tug. [31] War vessel. * Other than ships passing through the Canal.

Notaries Public in the Canal Zone.

The following is a list of notaries public commissioned in the Canal Zone as of May 24, 1927. The list gives, by towns, the name, where stationed, and the date of expiration of commission:

ANCON.

Bowen, Vollie S., Land Office, February 27, 1930.
Boyd, Oscar S., Municipal Division, July 30, 1928.
French, A. W., Ancon Hospital, May 14, 1929.
Ohlson, Elmer F., Ancon Hospital, December 3, 1927.
Russell, C. V., Ancon Hospital, April 29, 1930.
Shaeffer, L. E., office of District Attorney, April 6, 1929.
Sheibley, F. H., District Court, October 27, 1929.

BALBOA.

Hyde, W. H., Port Captain's Office, March 6, 1930.
Kalar, J. D., Port Captain's Office, April 13, 1929.
Lefever, John E., Fort Amador, February 28, 1928.
Prager, J. F., Balboa storehouse, December 13, 1929.
Smith, Walter R., Balboa storehouse, September 4, 1928.
Stillwell, J. L., Fort Amador, April 16, 1928.

BALBOA HEIGHTS.

Attaway, E. F., Administration Building, room 343, October 28, 1927.
Boggs, W. B., Administration Building, room 262, August 4, 1928.
Buehler, G. H., Administration Building, room 205, August 17, 1928.
Gallagher, A. J., Administration Building, room 204, December 13, 1929.
Illwitzer, P. G., Administration Building, room 270, October 12, 1929.
Jones, K. H., Administration Building, room 201, October 12, 1929.
Schecker, C. A., Administration Building, room 244, January 19, 1930.
Sims, Walter H., Quarry Heights, December 1, 1927.
Taylor, R. G., Administration Building, room 318, April 30, 1930.
Ungar, J., Administration Building, room 301, February 2, 1929.
Wang, Frank H., Administration Building, room 303, April 29, 1929.

COROZAL.

Grimm, G. L., Corozal Hospital, October 6, 1929.
Johnson, Mrs. Anna O., Panama Ordnance Depot, February 26, 1930.

CRISTOBAL.

Atwood, H. E., Commissary Division, April 8, 1930.
Campbell, J. S., District Court, January 28, 1929.
Clarke, V. J., Commissary Division, January 14, 1929.
Concklin, A. W., Commissary Division, April 27, 1929.
Cotton, Charles, Coaling Plant, March 20, 1929.
Daly, E. J., United Fruit Co., May 26, 1929.
Flood, Arthur, Customs Office, November 15, 1928.
Hargy, F. F., Port Captain's Office, May 28, 1930.
MacSparran, E. S., Receiving & Forwarding Agency, December 1, 1927.
Murray, P. E., Magistrate, October 13, 1929.
Scarborough, W. W., Clubhouse, January 21, 1930.
Slocum, E. L., Chase National Bank, August 10, 1929.
Walsh, W. H., Customs Office, August 5, 1929.

GATUN.

Wilson, Delaplane, Lighthouse Subdivision, October 3, 1929.

MOUNT HOPE.

Latimer, J. G., Cristobal Storehouse, April 30, 1930.

PARAISO.

Holzapfel, A. F., Dredging Division, August 10, 1929.

PEDRO MIGUEL.

Norris, R. N., Municipal Division, June 30, 1927.
Rader, T. C., Pacific Locks, January 21, 1930.
Wright, A. M., Dredging Division, January 21, 1930.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large covered piers for the storage of cargo. These are modern structures, fireproof, ratproof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., June 1, 1927. No. 43.

Fire on "Point Lobos."

The steamship *Point Lobos*, owned and operated by Swayne & Hoyt, Inc., arrived at Cristobal on May 28, 1927, with a fire in the cargo of No. 1 hold. She was boarded by members of the Cristobal Fire Department and, after an investigation, it was decided to dock the vessel before attempting to extinguish the fire.

It appears that at 11 a. m., May 24, 1927, fire was discovered in No. 4 hold in granulated charcoal in sacks. This fire supposedly was extinguished but was noticed to have rekindled on May 25, whereupon the hatch was opened and most of the charcoal removed from the hold to the deck. No further fire developed in No. 4 hold. At 2 p. m., May 26, 1927, smoke was discovered coming from the ventilators of No. 1 hold and after investigation the master closed the ventilators and proceeded to Cristobal. Upon docking at Cristobal the charcoal was removed from No. 1 hold. No flames developed while the charcoal was being removed.

The fire is believed to have been caused by spontaneous combustion of the charcoal, as fire occurred in the charcoal in both the No. 1 and No. 4 holds, which are widely separated by No. 2 and No. 3 holds. The ship was not damaged, and the damage to the cargo can not be estimated until a complete survey is made.

The *Point Lobos* is engaged in the United States intercoastal trade and, at the time of the fire, was en route from Houston, Texas, to Tacoma, Wash., with 3,392 tons of cargo aboard.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12½ cents per pound and forequarters at 11 cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, May 28, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Vittorio Veneto.	20	18.00	22	6.05	22	13.12	22	14.30	Italian	Navigazione Generale Italiana.	393.0	49.0	20.5	Genoa, Italy	Talcahuano, Chile	General	1,922	4,854	3,232
Dacre Castle.	22	3.10	22	6.20	22	13.56	22	15.15	British	James Chambers & Co.	400.0	52.0	24.6	New York, N. Y.	Shanghai, China.	General	5,285	5,846	4,112
Montauk	22	4.05	22	7.20	22	14.18	22	18.15	American	Panama-Pacific Line	419.0	56.5	25.6	New York, N. Y.	Seattle, Wash.	General	7,511	8,696	6,316
Castletown	22	4.50	22	8.05	22	14.40	22	19.27	American	Charles Nelson Co.	321.7	50.0	12.0	Baltimore, Md.	San Francisco, Cal.	Ballast		3,872	2,568
West Notus	22	6.25	22	8.45	22	15.43	22	20.26	American	McCormick S. S. Co.	410.5	54.3	20.6	Buenos Aires, Arg.	San Francisco, Cal.	Coffee, hides, etc.	4,566	6,583	5,014
Tekoa	22	6.40	22	8.49	22	16.20	23	00.08	British	N. Z. Shipping Co.	460.6	62.8	29.0	Liverpool, England	New Zealand	General	6,612	10,570	7,521
Witell	22	11.25	22	11.40	22	18.45	22	19.59	German	Roland Line	469.8	58.2	23.6	Hamburg, Germany	Vancouver, B. C.	General	5,299	7,816	5,755
Yoshu Maru	22	12.35	22	12.40	22	20.02	22	21.37	Japanese	Uwajaima Unyu K. K.	410.0	54.0	23.0	New York, N. Y.	Yokohama, Japan.	General	6,666	6,532	4,962
Texan	22	11.35	22	13.35	22	20.39	22	21.30	American	Amer.-Hawaiian Line	471.0	57.2	24.8	Boston, Mass.	Portland, Oreg.	General	6,711	9,154	6,903
Pacific Shipper [2]	22	13.20	23	6.00	23	12.37	23	17.50	British	Furness, Withy & Co.	420.0	58.0	20.4	Manchester, Eng.	Vancouver, B. C.	General, bananas	2,269	7,892	5,858
H. C. Folger [1]	23	00.10	23	7.10	23	13.57	23	15.10	American	Atlantic Refining Co.	435.0	56.0	24.4	Hamburg, Germany	Los Angeles, Calif.	Ballast		7,461	5,159
Wm. A. McKenney	23	00.20	23	8.15	23	15.55	23	21.10	American	Norton, Lilly & Co.	395.0	55.1	26.0	Baltimore, Md.	Tacoma, Wash.	General, steel	8,447	6,993	4,990
West Montop.	23	1.27	23	9.35	23	16.18	23	17.25	American	Calif. & East'n S. S. Co.	410.0	54.5	21.7	Philadelphia, Pa.	Seattle, Wash.	General	4,855	6,484	4,675
Elder Branch.	23	4.30	23	10.55	23	18.24	23	19.34	British	F. & W. Ritson	380.0	49.7	18.6	North Shields, Eng.	Corral, Chile	General	2,854	4,551	3,592
William Green [2]	23	15.00	24	6.07	24	15.18	24	16.20	American	Huasteca Petroleum Co.	430.0	58.2	17.6	Boston, Mass.	Los Angeles, Calif.	Ballast		5,973	4,670
Wirral	23	16.30	24	7.20	24	16.07	24	17.25	British	N. Z. Shipping Co.	385.0	52.0	21.6	New York, N. Y.	Auckland, N. Z.	General	6,490	5,131	3,664
Cirenus	24	00.40	24	8.20	24	17.00	24	21.07	American	Planet Line	410.0	54.2	24.0	Newport News, Va.	Vancouver, B. C.	Steel, general.	7,690	6,585	4,791
Cubore [2]	24	10.50	24	11.00	24	18.04	25	00.32	American	Ore S. S. Corp.	450.6	57.2	18.0	Baltimore, Md.	Cruz Grande, Chile.	Ballast		7,956	4,866
Istina	24	9.05	24	12.40	24	20.15	24	21.45	Yugoslav	Chile Exploration Co.	360.0	50.3	19.0	Grangemouth, Eng.	Antofagasta, Chile.	Coke	4,292	4,481	3,428
Chateau Thierry [2]	24	13.45	25	6.00	25	14.43	26	1.30	American	U. S. Army	436.0	58.0	24.7	New York, N. Y.	Honolulu, T. H.	Army supplies.	456		
Wido	24	4.50	25	6.05	25	15.41	25	20.23	German	Roland Line	393.0	54.1	24.4	Hamburg, Germany	San Antonio, Chile	General	6,532	6,585	4,631
Oak Branch.	24	14.18	25	7.20	25	16.34	26	00.10	British	F. & W. Ritson.	385.0	49.0	17.8	Liverpool, England	Valparaiso, Chile.	General	2,890	5,209	4,035
Oran	24	23.13	25	7.20	25	17.27	25	18.30	American	Oriental Navigation Co.	409.8	54.2	19.0	Philadelphia, Pa.	Portland, Oreg.	General	3,446	6,755	4,887
Ansaldo San Giorgio III [2]	25	5.52	25	8.10	25	17.20	25	18.30	Italian	Canadian Transp. Co.	378.0	51.5	21.0	Kingston, Jamaica	Vancouver, B. C.	General	5,326	5,759	4,063
Melville Dollar.	25	4.30	25	9.30	25	17.59	25	19.15	American	Dollar Line	429.0	55.2	24.8	Norfolk, Va.	Seattle, Wash.	Steel, general.	5,911	7,581	5,519
Paul Luckenbach	25	8.05	25	11.05	25	18.47	25	19.48	American	Luckenbach Line	471.1	59.2	26.3	Boston, Mass.	Seattle, Wash.	Steel, general.	8,890	9,027	6,539
King Malcolm [2]	25	10.30	25	11.00	25	19.40	25	21.09	British	Dodd Thompson.	400.0	59.0	23.0	Newcastle, England	Los Angeles, Calif.	Coke	5,867	7,367	5,561
Standard [1]	25	12.00	25	12.10	25	20.38	25	21.45	American	Standard Oil Co.	523.0	68.0	21.0	New York, N. Y.	Los Angeles, Calif.	Ballast		12,171	8,782
Dos Hermanos [4]	24	17.13	25		25	19.40	25	20.40	Panaman	Isth. Land & Fruit Co.	35.0	12.0		Cristobal, C. Z.	Balboa, C. Z.	Ballast		17	13
Orbita	25	13.00	26	6.05	26	15.54	26	17.00	British	Pacific Steam Nav. Co.	549.5	67.0	29.4	Liverpool, England	Coronel, Chile.	General	2,911½	16,841	11,728
Lubeck	25	6.05	26	6.20	26	16.35	26	17.55	German	Kosmos Line	338.7	47.3	21.2	Hamburg, Germany	Champerico, Guat.	General	2,772	4,429	2,753
Maltran	25	15.48	26	6.25	26	16.40	26	17.55	American	Mallory Transport Co.	333.8	48.0	14.0	Norfolk, Va.	Gray's Har., Wash.	Ballast		4,171	2,827
Asiatic Prince [2]	26	00.30	26	7.35	26	16.46	26	18.00	British	Prince Line, Ltd.	441.6	60.4	24.0	New York, N. Y.	Manila, P. I.	General	5,755	9,240	6,300
Habira [3]	26	3.10	26	8.20	26	17.26	26	18.48	American	Atlantic Refining Co.	435.6	56.2	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,427	5,187

[1] Tanker. [2] Motor ship. [3] Transport. [4] Motor schooner.

Alf	25	21.05	26	10.00	26	18.14	26	19.25	Norwegian	Scand'n-So. Pac. Line	321.5	41.7	23.0	Oslo, Norway	San Antonio, Chile	Gen., dynamite	3,459	3,111	2,256
Amerikaland [2]	26	8.15	26	10.50	26	19.00	27	1.12	Swedish	Ore S. S. Corp.	561.0	72.2	19.0	Baltimore, Md	Cruz Grande, Chile	Ballast		15,560	4,496
Argon [1]	26	11.30	26	11.35	26	19.56	27	00.35	American	Standard Oil Co.	435.6	56.2	21.3	New York, N. Y.	Los Angeles, Calif.	Ballast		7,386	5,183
Rotario	25	12.30	26	11.35	26	22.00	26	23.42	Colombian	Alberto Quijano	136.0	29.0	10.8	Pensacola, Fla.	Buenaventura, Col.	Cement, lumber	460	504	339
Ucayali	24	21.25	26	12.05	26	20.55	29	11.42	Peruvian	Peruvian Line	374.7	46.3	17.6	Cristobal, C. Z.	Buenaventura, Col.	General	426	4,466	2,405
Gassterdijk	26	00.42	26	13.20	26	21.42	26	23.02	Dutch	Holland-American Line	450.0	58.0	23.0	Rotterdam, Holland	Vancouver, B. C.	General		9,038	6,164
Baarn	24	6.18	27	6.00	27	12.53	27	14.55	Dutch	Royal Neth. S. S. Co.	400.0	58.0	24.6	Amsterdam, Holland	Corral, Chile	General	3,121	7,816	6,096
Ebro	26	16.25	27	6.00	27	13.24	27	15.40	British	Pacific Steam Nav. Co.	450.0	57.0	26.3	New York, N. Y.	Valparaiso, Chile	General	3,957	9,291	6,301
Hannawa	27	4.40	27	7.20	27	14.26	27	15.40	American	Col.-Pacific Ship. Co.	440.0	56.0	17.0	Baltimore, Md	Portland, Oreg.	General	2,760	8,300	6,020
Cape Cornwall	27	6.30	27	8.35	27	15.47	27	17.10	British	Lyall Shipping Co.	404.0	53.5	15.0	Tyne, England	Arica, Chile	Ballast		5,741	4,088
Iowan	27	2.30	27	9.35	27	16.52	27	18.05	American	Amer.-Hawaiian Line	407.7	53.7	23.5	Boston, Mass.	Seattle, Wash.	General	6,369	7,091	5,002
Santa Tecla	27	3.05	27	10.30	27	17.45	28	8.12	American	N. O. & S. A. S. S. Line	298.6	40.0	21.0	New Orleans, La.	Talcahuano, Chile	General	2,503	2,832	1,803
City of Glasgow	27	6.40	27	11.00	27	19.18	28	7.18	British	Ellerman & Bucknall	391.3	54.2	27.5	New York, N. Y.	Shanghai, China	General	7,140	7,133	5,418
Canada [2]	27	00.10	27	11.48	27	20.16	28	00.20	Swedish	Johnson Line	426.9	56.0	23.10	Stockholm, Sweden	San Francisco, Cal.	General	7,444	7,476	5,478
Canadian Ranger	27	12.10	27	12.55	27	21.12	27	22.38	British	Can. Gov. Mer. Marine	400.5	52.3	21.0	Quebec, Canada	Vancouver, B. C.	General	4,500	5,879	4,121
Cauca [4]	23	14.45	28	5.52	28	14.10	28	21.30	Colombian	National Nav. Co.	107.0	22.0	10.6	Cristobal, C. Z.	Buenaventura, Col.	General	405	238	163
Antinous	27	16.55	28	6.10	28	14.57	28	16.10	British	Andrew Weir & Co.	401.6	54.3	24.11	Tampa, Florida	Newcastle, N.S.W.	Phosphate rock	7,178	6,271	4,637
W. S. Rheem [1]	27	20.45	28	7.25	28	15.53	28	20.28	American	Standard Oil Co.	500.0	68.2	18.0	Baltimore, Md	Los Angeles, Calif.	Ballast		11,224	7,895
Julia Luckenbach	28	00.04	28	8.30	28	16.52	28	18.05	American	Luckenbach Line	436.0	57.0	28.6	New Orleans, La.	Seattle, Wash.	General	7,714	8,543	6,402
Port Melbourne	28	4.30	28	9.45	28	17.55	28	18.50	British	Com'lth & Dom. Line	501.0	63.0	30.0	New York, N. Y.	Port Pirie, Austr'ia	General	6,781	11,861	9,065
Steelore	28	9.30	28	11.00	28	19.00	29	4.00	American	Ore S. S. Corp.	550.3	72.3	21.0	Baltimore, Md	Cruz Grande, Chile	Ballast		15,551	4,297
D. G. Scofield [1]	28	11.00	28	11.10	28	19.41	28	22.45	American	Standard Oil Co.	439.5	58.0	20.0	Baltimore, Md	Los Angeles, Calif.	Ballast		8,698	5,935
Corinto	23	19.08	28	12.20	28	20.40	29	6.15	American	Panama Mail S. S. Co.	261.0	40.0	17.5	Cristobal, C. Z.	San Francisco, Cal.	General	2,000	2,352	1,549
Navy cutter			28		28	14.27			American	U. S. Navy				Cristobal, C. Z.	Gatun, C. Z.	Ballast			

[1] Tanker.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Shreveport [1]	21	18.25	22	6.35	22	17.10	22	17.10	American	Cities Service Trans.Co.	435.0	56.0	29.6	Los Angeles, Calif.	Boston, Mass.	Crude oil	11,000	7,411	5,109
Ammon	22	2.00	22	8.18	22	18.35	22	21.50	German	Hamburg-AmericanLine	438.4	55.2	25.3	Valparaiso, Chile	New York, N. Y.	Copper, nitrate	8,250	7,334	5,221
Kia Ora	22	9.30	22	10.15	22	19.30	23	00.15	British	Shaw, Savill & Albion	448.3	56.55	21.6	Oamaru, N. Z.	London, England	Cold storage, gen	4,477	8,237	5,771
Cauca [2]	22	22.00	23	7.12	23	14.45	28	5.52	Colombian	Cia. Nac. de Vapores	107.48	22.97	10.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee, platinum	216	238	163
Emma H. Coppage [1]	22	23.00	23	8.20	23	15.55	23	15.55	American	California PetroleumCo.	437.0	57.0	27.6	Los Angeles, Calif.	New York, N. Y.	Fuel oil	10,000	7,218	5,184
Santa Luisa	23	5.00	23	9.24	23	16.30	23	18.25	American	Grace Line	360.2	51.6	25.4	Talcahuano, Chile	New York, N. Y.	(7)	3,864	5,710	3,998
Robin Goodfellow	23	8.00	23	9.31	23	17.20	23	17.20	American	Seas Shipping Co.	424.85	55.0	25.0	Vancouver, B. C.	Providence, R. I.	Lumber	7,366	7,473	5,536
Corinto	23	2.00	23	10.44	23	19.00	28	12.20	American	Panama Mail S. S. Co.	261.1	40.0	16.0	San Francisco, Cal.	Cristobal, C. Z.	(8)	1,359	2,352	1,549
Mineola	23	4.30	23	10.49	23	18.50	23	18.50	American	N. O. & S. A. S. S. Co.	298.6	40.0	18.0	Talcahuano, Chile	New Orleans, La.	(9)	1,826	2,835	1,805
Zenon	23	12.00	23	12.32	23	19.59	25	15.00	French	French Line	425.0	55.0	27.0	Vancouver, B. C.	Havre, France	General	8,240	6,982	4,834
William Perkins	23	12.15	23	13.02	23	20.35	23	20.35	American	Garland S. S. Corp.	409.8	54.2	25.8	Aberdeen, Wash.	New York, N. Y.	Lumber, shingles	7,877	6,757	4,919
Susherico	23	12.45	23	13.27	23	21.50	23	21.50	American	Transmarine Lines	324.0	46.2	23.0	Aberdeen, Wash.	New York, N. Y.	Lumber	4,357	3,984	2,628
Joscite [5]			23		23				American	W. A. Sprague				Balboa, C. Z.	Miraflores, C. Z.				
Breckenridge [6]			23		23				American	U. S. Army				Balboa, C. Z.	Miraflores, C. Z.				
Sylvan Arrow [1]	24	2.00	24	5.58	24	14.15	24	14.15	American	Standard Transp. Co.	467.6	62.7	28.0	Los Angeles, Calif.	Baltimore, Md.	Gasoline	11,454	9,698	6,862

[1] Tanker. [5] Launch. [6] U. S. Army launch. [7] Copper, nitrate, and general. [8] Coffee, hides, and general. [9] Nitrates and aeroplanes.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—Continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
W. L. Steed [1]	24	2 30	24	6 39	24	15 00	24	15 00	American	Pan-Amer. Pet. & Tr. Co.	416.8	56 1	25.6	Los Angeles, Calif.	Baltimore, Md.	Gasoline	9,137	6,751	4,795
Sunugentco	23	17 45	24	7.08	24	16 20	24	16 20	American	Transmarine Lines	324.0	46 2	23.6	Vancouver, B. C.	New York, N. Y.	Lumber	4,000	3,984	2,628
Tainui	24	5.30	24	8.03	24	16 10	25	00.15	British	Shaw, Savill & Albion.	477.8	61.1	23.0	Lyttleton, N. Z.	London, England	Foodstuffs, gen.	4,550	10,631	7,606
R. W. Stewart [1]	23	17 30	24	8 14	24	17 10	24	17 10	American	Pan-Amer. Pet. & Tr. Co.	467.6	62.7	29.0	Los Angeles, Calif.	New York, N. Y.	Fuel oil	13,473	9,363	6,874
Uarda	24	5.40	24	9 20	24	17.57	25	1 00	German	Kosmos Line	470.16	60.88	26.1	Talcahuano, Chile	Hamburg, Germany	General	10,628	9,154	6,712
Benavon	24	5 45	24	9.36	24	18.40	24	20 00	British	Columbia-Pac. S. S. Co.	378.0	46.1	23.1	Portland, Oreg.	London, England	Concentrates	5,380	4,218	3,053
Harry Luckenbach	24	7 00	24	9.47	24	18.40	24	18.40	American	Luckenbach Line	448.9	60 2	28.3	Portland, Oreg.	Boston, Mass.	Lumber, general.	7,000	9,282	6,853
Dos Hermanos [10]	24	7.00	24	8.07	24	17.13	25	....	Panaman	Isth. Land & Fruit Co.	47.0	12.0	5.0	El Real, R. P.	Cristobal, C. Z.	Bananas	....	....	....
Montanan	24	7.15	24	10 19	24	19.05	24	19.05	American	Amer.-Hawaiian Line	406.6	53.95	25.0	Astoria, Wash.	Boston, Mass.	General	5,948	6,756	4,775
Steel Worker	24	8.00	24	10 45	24	20.15	24	20.15	American	Isthmian S. S. Lines	424 2	56.2	25.8	Vancouver, B. C.	Boston, Mass.	Lumber	7,427	7,611	5,497
Ruapehu	24	1 30	24	11.17	24	20 35	25	1.53	British	N. Z. Shipping Co.	457.3	58.25	23 6	Dunedin, N. Z.	Liverpool, England	Frozen, general	4,028	9,079	6,798
Ucayali	24	10.45	24	12.20	24	21.25	26	12.05	Peruvian	Peruvian Line	374.7	46.2	17.0	Buenaventura, Col.	Cristobal, C. Z.	General	247	4,466	2,405
Charles R. McCormick	24	10.30	24	12 30	24	21 25	24	21.25	American	McCormick S. S. Co.	401.45	53.2	28 0	Portland, Oreg.	Baltimore, Md.	Lumber, copper	7,272	7,082	5,167
Helen Olmsted [1]	24	12 00	24	13 18	24	22 32	24	22.32	American	California Petroleum Co.	425.8	57.0	29.10	Los Angeles, Calif	Boston, Mass.	Fuel oil	10,460	7,484	5,216
Ashbee [11]	24	13.40	24	14 21	24	23 50	25	17.20	American	Grace Line	333.8	48.0	16.06	Iquique, Chile.	New York, N. Y.	Nitrate, cocoa	1,293	4,101	2,751
Delaware [1]	23	10 30	24	14 27	24	23 38	24	23.38	British	Anglo-American Oil Co.	345.0	44.3	25 5	San Francisco, Cal.	London, England	Lubricating oil	4,884	3,968	2,512
Chilore	24	14 30	25	5 57	25	15 35	25	15.35	American	Ore S. S. Corp	549.65	72.25	35.3	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	14,538	9,348
Oyleric [1]	24	18 45	25	6.34	25	16.09	25	19.40	British	Andrew Weir & Co.	420.3	54.6	26.0	Los Angeles, Calif.	Ellesmere Pt., Eng.	Gasoline	8,534	6,397	4,358
Emile Deutsch de la Meurthe	25	3 25	25	7.25	25	17.10	25	23.10	British	Davis & Newman	412.0	53.2	25.0	Los Angeles, Calif.	Land's End, Eng. [13]	Gasoline	7,595	6,203	4,441
Peter Kerr	24	18 50	25	7.58	25	17.10	25	17.10	American	Arrow Line	415.0	55.7	28 0	San Francisco, Cal.	Baltimore, Md.	Lumber, copper	9,250	7,704	5,707
Westmoor	24	14 45	25	8.20	25	17.45	25	17.45	British	W. Runciman & Co.	375.0	52.6	24.9	Portland, Oreg.	Falmouth, England	Wheat	7,350	6,039	4,633
Salvador	24	21 35	25	9 02	25	18.30	....	....	British	Pacific Steam Nav. Co.	215.0	33.5	17.0	Champerico, Guat	Cristobal, C. Z.	General	1,043	1,270	735
Brielle	24	18.40	25	9.32	25	19.15	26	12.40	Dutch	Royal Neth. S. S. Co.	402.49	58.27	25.0	Corral, Chile.	Antwerp, Belgium.	([14])	6,727	7,322	4,798
Pacific Spruce	25	18 00	25	10.37	25	19 25	25	19.25	American	Ocean Transp Co.	410.5	54.0	25.6	Tacoma, Wash.	New York, N. Y.	Lumber	7,200	....	....
Manchuria	24	21 39	25	11.07	25	20.25	25	21.00	American	Panama-Pacific Line	600.0	65.0	29.0	San Francisco, Cal.	New York, N. Y.	([15])	4,500	17,044	11,488
Frank Lynch [11]	25	12.40	25	13.31	25	21.00	25	24 00	American	W. Gray & Co.	252.0	43.5	18.11	Bellingham, Wash	Nuevitas, Cuba	Lumber	1,700	2,283	1,369
San Nazario [1]	25	13.00	25	13.56	25	23.40	28	13.35	British	Anglo-Mex. Pet. Co.	525.5	66.5	29.7	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	16,354	12,158	8,463
Major D. D. Pullen [12]	....	....	25	....	25	....	....	....	American	U. S. Army	....	....	....	Balboa, C. Z.	Miraflores, C. Z.	....	....	....	....
Charles G. Black [1]	25	12.15	26	6.15	26	18.45	26	18.45	American	Standard Oil Co. of N.J.	550.3	72.2	32.6	Los Angeles, Calif.	New York, N. Y.	Crude oil	18,330	15,418	10,613
John D. Archbold [1]	26	6.15	26	7.12	26	16.10	....	....	American	Standard Oil Co. of N.J.	554.9	75.3	31.6	Los Angeles, Calif.	New York, N. Y.	Crude oil	19,615	14,785	10,313
Solana [1]	26	4.00	26	8.09	26	17.15	26	17.15	American	Associated Oil Co.	419.5	56.5	25.2	San Francisco, Cal.	Warner, N. J.	Gasoline	10,000	7,060	5,025
El Lobo [1]	25	15 35	26	8.47	26	17.50	26	17.50	British	C. T. Bowring & Co.	385.0	51.0	23.0	La Libertad, Ec'or.	Halifax, N. S.	Crude oil	6,178	4,851	3,326
L. J. Drake [1]	26	2.39	26	9.25	26	19.55	27	2.10	American	Standard Oil Co. of N.J.	419.6	57.2	25.0	Talara, Peru	Vallao, Norway	Crude oil	8,733	7,405	5,062

[1] Tanker. [10] Motor schooner. [11] Motor ship. [12] Launch. [13] For orders. [14] Barley, oats, and copper. [15] Shingles and canned goods.

Anadyr [16]	26	8.00	26	9.37	26	17.59	27	8.00	Norwegian	Christensen & Sandef'd	111.1	20.0	10.0	B. Magdal'a, Mex.	Sandefjord, Nor'y.	Ballast		179	49
Celina [16]	26	8.15	26	9.47	26	17.59	27	8.00	Norwegian	Christensen & Sandef'd	101.1	20.1	11.7	B. Magdal'a, Mex.	Sandefjord, Nor'y.	Ballast		158	89
Wanderer	26	7.20	26	10.10	26	19.20	26	22.40	British	T. & J. Harrison	395.5	52.55	23.6	Vancouver, B. C.	London, England	([18])	6,784	5,770	3,865
Elcano [16]	26	8.05	26	10.24	26	17.59	27	8.00	Norwegian	Christensen & Sandef'd	103.8	20.1	11.6	B. Magdal'a, Mex.	Sandefjord, Nor'y.	Ballast		159	41
Halo [1]	26	9.50	26	10.36	26	20.10	26	20.10	American	Cities Service Trans. Co.	435.0	56.0	30.0	Los Angeles, Calif.	Boston, Mass.	Crude oil	11,300	7,434	5,145
Sunewarkco	26	13.00	26	13.55	26	21.40	29	14.05	American	Transmarine Lines	324.0	46.2	24.0	Aberdeen, Wash.	New York, N. Y.	Lumber	4,500	3,984	2,628
Aladdin [1]	26	11.25	27	6.04	27	14.00	27	14.00	American	Standard Transp. Co.	435.0	56.2	26.6	Los Angeles, Calif.	Providence, R. I.	Gasoline	8,818	7,408	5,112
Betterton [1]	26	20.30	27	7.10	27	16.00	27	16.00	American	Associated Oil Co.	431.5	59.2	27.8	Los Angeles, Calif.	New York, N. Y.	Crude oil	11,000	7,863	5,104
Tosto	27	2.30	27	8.07	27	16.50	28	17.00	Norwegian	Linea Mercante de Col.	247.7	38.3	14.7	Buenaventura, Col.	New York, N. Y.	General	1,156	1,841	1,192
Canadian Challenger	27	2.15	27	13.04	27	19.48	27	19.48	British	Can. Gov. Mer. Marine	400.15	52.2	15.6	Auckland, N. Z.	Montreal, Canada	General	2,017	6,142	4,354
Atrato [11]	27	14.00	27	14.57	27	21.45			Colombian	Colombian Transp. Co.	94.0	23.0	7.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee	120	160	92
General G. W. Getty [17]			27		27				American	U. S. Army	98.0	22.0		Balboa, C. Z.	Pedro Miguel, C.Z.				
Marore	27	19.37	28	5.23	28	15.12	28	15.12	American	Ore S. S. Corp.	550.3	72.2	34.0	Cruz Grande, Chile.	Baltimore, Md.	Iron ore	20,000	15,551	4,297
San Salvador [1]	28	6.10	28	7.11	28	16.35	28	20.15	British	Anglo-Mexican Pet. Co.	407.4	52.2	26.0	Los Angeles, Calif.	Lizard Head, Eng[12]	Gasoline	7,396	6,157	4,137
Utacarbon [1]	28	18.30	28	8.01	28	16.55	30	6.15	American	Union Oil Co. of Calif.	435.0	56.0	28.0	San Luis, Calif.	Cristobal, C. Z.	Fuel oil	11,000	7,482	5,209
Crampton Anderson [1]	27	22.00	28	8.36	28	17.45	29	2.00	American	Pan-Amer. Pet.&Tr.Co.	435.0	56.0	28.0	Los Angeles, Calif.	Buenos Aires, Arg.	Fuel oil	9,823	7,406	5,159
Missourian [11]	28	4.00	28	9.19	28	17.35	28	17.35	American	Amer.-Hawaiian Line	445.1	59.8	25.0	Tacoma, Wash.	Charleston, S. C.	General, lumber	8,001	8,567	6,020
Walter Jennings [1]	28	8.00	28	10.13	28	18.30	28	18.30	American	Standard Oil Co.of N.J.	499.2	68.1	30.6	Los Angeles, Calif.	Baltimore, Md.	Crude oil	16,500	11,037	7,995
Lena Luckenbach	24	6.10	28	10.52	28	18.40	28	18.40	American	Luckenbach Line	425.0	53.8	25.0	Los Angeles, Calif.	Mobile, Ala.	Lumber, general	4,668	7,217	5,295
J. A. Moffett, Jr. [1]	28	10.00	28	11.25	28	20.12	28	20.12	American	Standard Oil Co. of N.J.	499.2	68.1	30.0	Talara, Peru	Charleston, S. C.	Crude oil	15,620	11,037	7,995
Lochmonar [18]	28	6.45	28	11.37	28	19.52	29	1.20	British	Royal Mail S. P. Co.	485.65	62.25	29.0	Vancouver, B. C.	Rotterdam, Holland	General	9,884	10,766	7,512
Pomona	28	12.30	28	13.51	28	21.10	28	21.10	American	Pomona S. S. Co.	440.0	56.0	20.0	Everett, Wash.	Portsmouth, R. I.	Lumber	8,500	8,324	6,036
S. C. T. Dodd [1]	28	13.30	28	14.35	28	23.05	28	23.05	American	Standard Oil Co.ofCalif.	425.0	57.2	29.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	10,623	7,481	4,975
William Rockefeller [1]	28	11.15	28	15.25	29	14.35	29	14.35	American	Standard Oil Co.of N. J.	554.9	75.3	32.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	19,455	14,785	10,313

[1] Tanker. [16] Whaler. [17] Tug. [18] Grain and canned goods. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
May 22	Heredia	United Fruit Co.	New Orleans via Habana.
May 22	Toloa	United Fruit Co.	Port Limon, Costa Rica.
May 23	No. 292 [19]	U. S. Navy	Bluefields, Nicaragua.
May 23	Calamares	United Fruit Co.	New York via Habana.
May 23	Olga [20]	Baron Nordenskield	Cuevita, Costa Rica.
May 23	Linda S [21]	Surgeon Brothers	Colon, R. P.
May 25	Alexandria	Hamburg-American Line	Hamburg via wayports.
May 25	Ancon	Panama Railroad S. S. Line	New York via Haiti.
May 25	Coppename	United Fruit Co.	New Orleans, La.
May 25	Tivives	United Fruit Co.	New York via Kingston.
May 25	Suriname	United Fruit Co.	New Orleans via wayports
May 25	Cleveland [22]	U. S. Navy	Bluefields, Nicaragua.
May 25	Median	Leyland Line	Liverpool via wayports.

* DEPARTURES.

Date.	Vessel.	Line.	For—
May 22	Mayari	United Fruit Co.	New York via Kingston.
May 22	Toloa	United Fruit Co.	New York via Habana.
May 22	No. 289 [19]	U. S. Navy	Bluefields, Nicaragua.
May 22	Otto Hugo Stinnes	Hamburg-American Line	Port Limon, Costa Rica.
May 23	Heredia	United Fruit Co.	New Orleans, via wayports.
May 23	Linda S [21]	Surgeon Brothers	Bluefields, Nicaragua.
May 25	No. 292 [19]	U. S. Navy	Bluefields, Nicaragua.
May 25	Coppename	United Fruit Co.	New Orleans, La.
May 25	Calamares	United Fruit Co.	Port Limon, Costa Rica.
May 25	M. F. Benefit [23]	F. Britton	Bluefields, Nicaragua.
May 25	Inapaquina [21]	United Fruit Co.	Colon, R. P.
May 26	Tivives	United Fruit Co.	Colombian ports.
May 26	Santa Marta	United Fruit Co.	New York via Kingston.

[19] Destroyer. [20] Yacht. [21] Motor schooner. [22] Cruiser. [23] Schooner. * Other than ships passing through the Canal.

(Continued on page 572, column 2.)

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending May 21, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Cristobal	Panama Railroad S. S. Line	.....	May 15	.....	2,935
Rhein	Hamburg-American Line	.....	May 15	.....	14
Arana	Pacific Steam Navigation Co	.....	May 15	.....	601
Siris	Pacific Steam Navigation Co	.....	May 15	.....	160
Ulua	United Fruit Co	May 15	May 15	37	2
Jason	Royal Netherlands S. S. Co	May 15	May 15	141	14
San Jose	United Fruit Co	May 15	May 15	129	248
Nortonian	Leyland Line	May 15	May 16	780	25
Noorderdijk	Holland-American Line	May 15	May 16	(1)	138
Parismina	United Fruit Co	May 15	May 16	642	432
Scania	Colombian Transport Co	May 15	May 16	786	(2)
Axel Johnson	Johnson Line	May 16	May 17	(1)	68
Ucayali	Peruvian Line	.....	May 17	.....	163
Galicia	Hamburg-American Line	.....	May 17	.....	490
Toloa	United Fruit Co	May 16	May 17	331	4½
Saint Joseph	French Line	May 16	May 20	33	593
St. Louis	L. Escruceria & Son	May 16	May 20	60	(2)
Pelleriu de Latouche	French Line	May 17	May 19	247	153
Jamaica	Pacific Steam Navigation Co	.....	May 18	.....	785
Nevada	French Line	May 17	May 18	24	187
Dos Hermanos	Isthmian Land & Fruit Co	May 17	May 18	12½	(2)
Dumdes	Pacific Steam Navigation Co	May 17	May 17	317	171
Roland	Roland Line	May 18	May 19	138¾	(2)
Saramacca	United Fruit Co	May 18	May 18	40	632
Copenaire	United Fruit Co	May 18	May 19	1,024	204
Santa Marta	United Fruit Co	May 18	May 19	384	343
Santa Ana	Grace Line	May 18	May 19	(1)	1
Carrillo	United Fruit Co	May 18	May 19	(1)	149
Ecuador	Panama Mail S. S. Co	May 18	May 20	794	1,011
Virginia	Standard Fruit S. S. Co	May 19	May 19	175	3½
U. D. Vinton	A. & G. Bryan	May 19	May 19	(1)	26
Aconcagua	Chilean Line	May 19	May 19	3	(2)
Stuyvesant	Royal Netherlands S. S. Co	May 19	May 19	2	(2)
Drechtdijk	Holland-American Line	May 19	May 20	210	221
Jacksonville	Grace Line	May 19	May 20	46	233
Balboa	Johnson Line	May 20	May 20	(1)	21
Colombia	Panama Mail S. S. Co	May 20	May 21	859	61
Vittorio Veneto	Italian Line	May 20	.....	241	(2)
Stella	Panama Mail S. S. Co	.....	May 21	.....	845
Kinderdijk	Holland-American Line	May 20	May 21	(1)	118
Mayari	United Fruit Co	May 21	.....	5½	.....
Spreewald	Hamburg-American Line	May 21	May 21	16	15
Otto Hugo Stinnes	Hamburg-American Line	May 21	.....	255	.....
Stuyvesant	Royal Netherlands S. S. Co	May 21	May 21	2½	188

(1) No cargo discharged. (2) No cargo laded.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity ..... .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton ..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

Executive Order.

Documents Required of Bona Fide Alien Seamen Entering the United States as Passengers.

By virtue of the authority vested in me by the Act of Congress approved May 22, 1918, as extended by the Act of Congress of March 2, 1921, I hereby prescribe the following regulations governing the entry of seamen as passengers:

(I) Alien seamen whose occupational status as such is found to be bona fide entering the ports of the United States solely in the pursuit of their calling as seamen may be admitted temporarily in the discretion of the Secretary of Labor and under regulations prescribed by him without passports or visas if arriving in the United States under the following circumstances:

1. As seamen who were members of the crew of an American vessel, which has been sold and delivered abroad, when the contract of employment provides for the return of the crew or the laws of the United States provide for their return to an American port;

2. As individual seamen returned to the United States in accordance with the terms of the articles of the outward voyage;

3. As shipwrecked or castaway seamen rescued by or transferred to a vessel bound to an American port;

4. As alien (American) seamen who are consular passengers, or are repatriated without expense to the United States Government following and in accordance with the terms of their discharge in a foreign port before an American consular officer, but who, for any reason, can not be considered as serving as seamen on the vessel on which they arrive at an American port.

(II) If such alien seamen arrive at a port in the United States as members of a crew sent forward by the owners to take delivery of a vessel in such port and for the purpose of navigating such vessel to its foreign home port, they may present a group transit certificate issued by a consular officer in accordance with Section 3 (3) of the Immigration Act of 1924 under such regulations as the Secretary of State and the Secretary of Labor may prescribe.

CALVIN COOLIDGE.

THE WHITE HOUSE,
May 13, 1927. [No. 4648]

Location of Patients and Visiting Hours, at Ancon Hospital.

The following table shows the distribution of patients in the Ancon hospital buildings and the visiting hours for the various wards and sections:

Section and Ward.	Visiting Hours.
Section "B:"	
Ward 5, Male, private rooms, American boys	Daily 9.30 to 11 a. m.; 2.00 to 4.30 p. m.; 6.30 to 8.00 p. m.
Ward 6, Foreign, male and female, private rooms, American girls	(No visitors permitted in nursery.)
Ward 7, White female, private rooms	
Ward 8, Obstetrical department, white females (Nursery)	
Section "C:"	
Ward 9, White foreign, male	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 11, Colored, male, surgical	
Ward 12, Colored, male, medical, eye and ear	
Ward 13, Colored, male, G. U.	
Ward 14, American, male, G. U.	
Section "D:"	
Ward 15, American, male, surgical	Tuesdays, Thursdays, and Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m.
Ward 16, American, male, medical, eye and ear	Sundays and holidays, 9.30 to 11 a. m.; 2.30 to 4.30 p. m.
Ward 17, Colored children	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 18, White children	Daily 9.30 to 11 a. m.; 2 to 4 p. m.
Ward 19, Colored, female, medical	Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3 p.m.
Ward 20, Colored, female, surgical, obstetrical	
Isolation	No visitors permitted except to visit tuberculosis patients, Thursdays, Sundays, and holidays, 1.30 to 3 p. m.

Permission to visit outside of visiting hours will be granted upon application to the Superintendent's Office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.15 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $9.00 per ton of 2,240 pounds at Cristobal, and $12.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $9.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $10.00 per ton at Cristobal, $13.00 at Balboa. If less than 50 tons is taken from lighters, prices are $12.00 per ton at Cristobal and $15.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $10.00 Cristobal and $13.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Sale of Barge.

The Panama Canal offers for sale to the highest bidder a steel barge, P. R. R. No. 13, with various items of equipment. Sealed bids will be received at the office of the Chief Quartermaster, The Panama Canal, Balboa Heights, Canal Zone, up to 10.30 o'clock a. m., June 20, 1927. Forms of proposals with full particulars may be had upon application to the above-mentioned office.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will always save time by applying to the nearest American Consul.

Trips Through the Canal.

The following lines operating passenger vessels through the Canal carry local passengers from one terminal to the other: Panama Mail Steamship Company, Pacific Steam Navigation Company, Grace Line, Chilean Line. The Panama Mail and Chilean Line charge $6 for the trip, the others $10. The several services together afford about 4 transits of the Canal each way every week.

MOVEMENTS OF OCEAN VESSELS.—Continued from page 569.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.

Date.	Vessel.	Line.	From—
May 25	M. F. Benefit [24]	F. Britton	Colon, R. P.
May 25	Inapacuina [25]	United Fruit Co.	Colon, R. P.
May 26	Santa Marta	United Fruit Co.	Colombian ports.
May 26	Favorita	Standard Fruit S. S. Co.	New Orleans, La.
May 28	Favorita	Standard Fruit S. S. Co.	San Blas coast, R. P.
May 28	Cavina	Elders & Fyffes, Ltd.	Avonmouth via wayports.
May 28	Lapland	International Navigation Co.	New York via wayports.

[24] Schooner. [25] Motor schooner. [26] Yacht.

PORT OF BALBOA.

Date.	Vessel.	Line.	From—
May 22	La Placentia	Union Oil Co. of Calif.	Los Angeles, Calif.
May 22	La Patria [27]	Panaman Government	Panama Bay, R. P.
May 24	Pathfinder [28]	Mrs. L. G. Sakey	Panama Bay, R. P.
May 24	Tejon	Standard Transportation Co.	Los Angeles, Calif.
May 27	W. S. Miller	Standard Oil Co. of Calif.	Los Angeles, Calif.
May 27	Epora [29]	Merritt, Chapman & Scott Corp.	Culebra Bay, Costa Rica.
May 28	Tuinaha	Standard Transportation Co.	

[27] Launch. [28] Motor schooner. [29] Motor ship.

* DEPARTURES.

Date.	Vessel.	Line.	For—
May 26	Median	Leyland Line	Kingston and Port Limon.
May 26	Surimane	United Fruit Co.	Boras and Port Limon.
May 27	Favorita	Standard Fruit S. S. Co.	San Blas coast, R. P.
May 27	Olga [26]	Baron Nordenskield	Turbo, Colombia.
May 28	Favorita	Standard Fruit S. S. Co.	New Orleans, La.
May 28	Cavina	Elders & Fyffes, Ltd.	Kingston, Jamaica.
May 28	Reuastar	J. S. Webster & Son	Kingston, Jamaica.
May 28	Lapland	International Navigation Co.	New York via wayports.
May 28	Alexandria	Hamburg-American Line	Europe via West Indies.

PORT OF BALBOA.

Date.	Vessel.	Line.	For—
May 22	La Patria [27]	Panaman Government	Panama Bay, R. P.
May 24	La Placentia	Union Oil Co. of Calif.	Los Angeles, Calif.
May 24	Pathfinder [28]	Mrs. L. G. Sakey	Panama Bay, R. P.
May 26	Tejon	Standard Transportation Co.	Los Angeles, Calif.
May 28	W. S. Miller	Standard Oil Co. of Calif.	Los Angeles, Calif.

* Other than ships passing through the Canal.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

Subscription rates, domestic, $0.50 per year; foreign, $1.00; address The Panama Canal Record, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office at Cristobal, C. Z., under the Act of March 3, 1879.

Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., June 8, 1927. No. 44.

Canal Traffic During May.

During the month of May, 1927, 471 commercial vessels and 20 small launches transited the Canal. Tolls on the commercial vessels aggregated $2,066,070.73, including $543.75 collected on supplemental bills for 2 transits in previous months, and on the launches, $138.53, or a total tolls collection of $2,066,209.26.

The daily average number of transits of seagoing vessels for the month was 15.19 and the daily average tolls collection $66,647.44. The average amount of tolls paid by each of the commercial transits was $4,385.41, as compared with $4,450.88 for the month of April, 1927. In these averages the $543.75 of supplemental collections is not included.

May was the second largest month of the current fiscal year, both with respect to the number of transits and amount of tolls collected.

In the following tabulation the number of commercial transits and the amount of tolls collected are shown for the first 11 months for the current fiscal year, with the daily average of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
July	456	$1,980,719.67	14.71	$63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,939,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
January, 1927	443	1,984,760.71	14.29	64,024.54
February	419	1,994,869.82	16.03	71,245.03
March	496	2,217,913.20	16.00	71,545.59
April	464	2,065,206.92	15.46	68,840.23
May	471	[1] 2,066,070.73	15.19	[2] 66,647.44
Totals	5,020	22,253,452.14	14.98	66,443.14

[1] Includes $543.75 additional collected on supplemental bills.
[2] Does not include $543.75 collected on supplemental bills.

Supplement No. 17.—Tariff No. 8.

THE PANAMA CANAL, PANAMA RAILROAD COMPANY,
EXECUTIVE OFFICE, BALBOA HEIGHTS, C. Z., May 31, 1927.

ITEM 39.—PANAMA RAILROAD CLASSIFICATION AND TARIFF.

(Effective June 1, 1927.)

2. (S) Sand, gravel, and crushed rock in carload lots, any distance, subject to drawback provided in paragraph 6, Item 39, per cu. yd..... $3.00

M. L. WALKER,
Governor, The Panama Canal,
President, Panama Railroad Company.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, June 4, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Albert Jeffress	29	00 28	29	6.30	29	15.45	29	16 55	American	Garland S. S. Co	384.6	51.2	13.1	Philadelphia, Pa	Aberdeen, Wash	Ballast		6,347	4,453
Cape Henlopen [1]	29	00.49	29	6.25	29	16.06	29	20.50	American	California Pet. Co	434.8	56.2	19.0	Boston, Mass	Los Angeles, Calif	Ballast		7,425	5,202
Cities Service Petrol [1]	29	00 45	29	7.25	29	16.30	29	17.35	American	Cities Service Corp	468.3	62.7	17.6	New York, N. Y	Los Angeles, Calif	Ballast		9,802	7,292
Dixie Arrow [1]	29	1 23	29	7.30	29	17.00	29	21 17	American	Standard Oil Co	468.3	62.7	21.0	New York, N. Y	San Francisco, Cal	Ballast		9,744	7,140
City of Delhi	29	6 10	29	8.15	29	17.22	30	3 18	British	Amer.-Australian Line	459.6	58.6	23.8	New York, N. Y	Adelaide, Australia	General	6,000	9,478	7,069
Bromoy [2]	29	6 20	29	9 15	29	17 51	29	21 55	Norwegian	A. S. Borgestad	380.5	54.7	13.6	Hull, England	Los Angeles, Calif	Ballast		6,447	4,757
Suraileo	29	9 18	29	9.45	29	18.37	29	20.00	American	Transmarine Lines	324.0	46.2	22.0	Houston, Texas	Seattle, Wash	Steel, etc	3,000	3,984	2,628
Cape of Good Hope [2]	29	14 10	29	14 20	29	20.56	30	00.10	British	Canadian Transp. Co	405.0	52.3	18.0	Cardenas, Cuba	Portland, Oreg	Sugar	4,000	5,851	4,284
Lupine [3]	29	14 30	30	6 05	30	13.17	6-1	3 23	American	U. S. Navy	174.0	32.0	12.6	Guantanamo, Cuba	La Union, Salvador	Ballast		864	248
Point Lobos	28	11 25	30	6 10	30	13.22	30	14.38	American	Swayne & Hoyt	289.0	44.5	20.6	Houston, Texas	Tacoma, Wash	General	3,392	2,899	1,946
Utacarbon [1]	28	16 55	30	6 15	30	13.53	30	18.44	American	Union Oil Co	435.0	56.0	18.2	Cristobal, C. Z	Los Angeles, Calif	Ballast		7,482	5,209
Sucillenco	29	16 42	30	7.25	30	14.55	30	16.10	American	Transmarine Lines	324.0	46.2	23 0	Newark, N. J	San Francisco, Cal	General	4,232	3,984	2,612
Canadian Highlander	29	29.50	30	7 09	30	15.39	30	16.48	British	Can. Gov. Mer. Marine	400.0	52.4	15.3	Avonmouth, Eng	Vancouver, B. C	General	299	6,192	4,402
Robert E. Hopkins [1]	29	21.55	30	8.20	30	16 19	30	17.25	American	Tidewater Oil Co	424.0	58.2	19.6	New York, N. Y	Los Angeles, Calif	Ballast		7,333	5,182
Loreto [2]	30	19 40	31	5.57	31	13.39	31	19.02	British	Pacific Steam Nav. Co	406.2	54.2	16.3	Hull, England	Corral, Chile	General	2,245½	7,334	5,037
Quail [4]			31	6.00	31	13.39	31	16 55	American	U. S. Navy	180.0	35.6		Cristobal, C. Z	Balboa, C. Z				
O-6 [5]			31	6.10	31	14.20	31	15.25	American	U. S. Navy	172.4	18.0		Cristobal, C. Z	Balboa, C. Z				
O-7 [5]			31	6.10	31	14 20	31	15 25	American	U. S. Navy	172 4	18.0		Cristobal, C. Z	Balboa, C. Z				
O-8 [5]			31	6.10	31	14 20	31	15 25	American	U. S. Navy	172.4	18.0		Cristobal, C. Z	Balboa, C. Z				
O-9 [5]			31	6 10	31	14 23	31	15 25	American	U. S. Navy	172.4	18.0		Cristobal, C. Z	Balboa, C. Z				
O-10 [5]			31	6 10	31	14 23	31	15 25	American	U. S. Navy	172 4	18 0		Cristobal, C. Z	Balboa, C. Z				
Robin Adair	30	17 05	31	7.25	31	15 35	31	16 55	American	Isthmian S. S. Lines	424.8	55.2	23.8	New York, N. Y	Tacoma, Wash	Steel, general	9,406	7,470	5,529
Pennsylvanian	31	00 27	31	8.45	31	15 57	31	16.58	American	Amer.-Hawaiian Line	407.7	53.7	22 5	Boston, Mass	Portland, Oreg	General	5,018	7,107	4,989
John D. Archbold [1]	29	24.00	31	12 30	31	20 25			American	Standard Oil Co	554.0	75.0	23.0	High seas	Balboa, C. Z	Oil		14,785	10,313
Absaroka	31	9 55	31	12 49	31	21 12	31	22 38	American	McCormick S. S. Co	409.6	54.1	21 9	New York, N. Y	Seattle, Wash	General	5,660	5,642	4,434
W. H. Tilford [1]	31	13 38	31	14.00	31	22 04	31	23 16	American	Standard Oil Co	411.6	53.4	20.0	New York, N. Y	Talara, Peru	Ballast		6,205	4,264
Lilly [6]			31		31	14 48			American	American Banana Corp				Cristobal, C. Z	Gatun, C. Z	(7)		3	3
A. B. C. No. 9 [6]			31		31	14 48	6-1	18.05	American	American Banana Corp				Cristobal, C. Z	Gatun, C. Z	Ballast		12	12
Apurimac	30	20 20	6-1	6.10	6-1	14 26	1	14.20	Peruvian	Peruvian Line	382.0	48 2	21 11	New York, N. Y	Callao, Peru	General, coal	3,170	4,867	3,544
Tatsuno Maru	31	15 30	1	6 20	1	13 17	1	16.25	Japanese	Nippon Yusen Kaisha	445.0	58.0	24.0	New York, N. Y	Yokohama, Japan	(8)		7,905	8,015	5,716
Luciston	6-1	6 00	1	7 35	1	15 11			British	Miller & Co	401.9	53 0	25.0	Matanzas, Cuba	Hongkong, China	Sugar		7,159	5,653	4,056
Radnor	31	22 35	1	7 55	1	15 59	2	3.29	American	American-Pioneer Line	434.0	57.7	24.6	Galveston, Texas	Manila, P. I	(9)		7,532	7,982	5,956
Chiman [2]	31	17 15	1	8 07	1	16.41	3	3.23	Panaman	Isth. Land & Fruit Co	116 0	21.0	7 5	Cristobal, C. Z	Buenaventura, Col	(10)		211	124

[1] Tanker. [2] Motor ship. [3] Lighthouse tender. [4] Mine sweeper. [5] Submarine. [6] Launch. [7] Towing barge *No. 9*. [8] Cotton, steel, and general. [9] Cotton, oil, and gasoline. [10] Towing barges.

Ilfeo No. 1 [11]			1	8.07	1	16.41			Panaman	Isth. Land & Fruit Co.				Cristobal, C. Z.	Balboa, C. Z.	Ballast		10	10
Ilfeo No. 2 [11]			1	8.07	1	16.41			Panaman	Isth. Land & Fruit Co.				Cristobal, C. Z.	Balboa, C. Z.	Ballast		10	10
Dorothy Luckenbach	1	2.45	1	9.30	1	16.43	1	18.05	American	Luckenbach Line	448.9	60.2	28.7	Boston, Mass.	Seattle, Wash.	General	8,343	9,294	6,861
Heina [2]	1	6.05	1	9.50	1	17.07	1	21.23	Norwegian	Kali Transport Co.	377.8	52.2	21.9	Hamburg, Germany	Honolulu, T. H.	Sulphate potash	6,040	5,764	4,322
Santa Cruz	5-31	15.40	1	10.17	1	18.02	2	1.15	American	Grace Line	384.0	50.2	19.0	New York, N. Y.	Antofagasta, Chile	General	3,027	5,534	3,868
Athelfoam [1]	1	6.30	1	11.40	1	18.50	1	20.25	British	British Molasses Co.	400.0	52.3	16.11	Boston, Mass.	Los Angeles, Calif.	Ballast		6,063	4,087
Buenos Aires	5-31	8.25	1	12.30	1	19.40	1	21.00	Spanish	Spanish Line	410.6	48.2	22.3	Barcelona, Spain	Valparaiso, Chile	General	358	5,624	3,844
Santa Elisa	1	10.55	1	13.08	1	20.24	2	16.40	American	Grace Line	360.3	51.7	22.6	New York, N. Y.	Talcahuano, Chile	General	2,390	5,957	4,325
DosHermanos [12]	5-31	17.55	1	10.10	1	17.53	1	18.40	Panaman	Isth. Land & Fruit Co.	35.0	12.0		Cristobal, C. Z.	Balboa, C. Z.	Ballast		17	13
Almagro	5-30	16.35	2	6.10	2	14.06	2	15.40	British	Pacific Steam Nav. Co.	303.4	43.0	16.2	New York, N. Y.	Callao, Peru	General	2,567	2,826	1,770
Alaska	5-31	6.00	2	6.18	2	14.41	2	18.40	French	French Line	425.0	55.0	22.1	Havre, France	Vancouver, B. C.	Steel, general	4,689	6,990	4,854
Svealand [2]	1	15.40	2	7.20	2	15.24	3	09.41	Swedish	Ore S. S. Corp.	561.1	72.2	22.0	New York, N. Y.	Cruz Grande, Chile	Ballast		15,425	4,421
Paul Shoup [1]	1	16.50	2	7.35	2	15.34	2	16.40	American	Associated Oil Co.	424.4	58.2	22.0	New York, N. Y.	San Francisco, Cal.	Ballast		7,333	5.182
Steel Voyager	1	23.45	2	8.25	2	16.15	3	2.10	American	Isthmian S. S. Lines	395.5	55.0	25.6	Charleston, S. C.	Shanghai, China	Steel, general	8,408	7,330	5,249
Fernbank [2]	2	4.30	2	8.50	2	16.28	2	17.35	Norwegian	Fern Line	382.7	53.4	25.2	Galveston, Texas	Yokohama, Japan	General	7,058	6,112	4,256
London Importer	1	18.28	2	10.15	2	17.05	2	18.05	British	Brit.-Arg. Stm. Nav. Co.	450.4	58.0	22.0	Manchester, Eng.	Vancouver, B. C.	Bananas	1,520	8,405	5,855
Osiris [2]	2	9.50	2	11.20	2	18.03	3	2.55	German	Hamburg-American Line	376.2	51.8	19.9	Hamburg, Germany	Vancouver, B. C.	General	4,200	5,788	4,023
Fella [2]	1	12.08	2	13.09	2	19.05	3	18.05	Italian	Nav. Libera-Triestina	436.0	55.0	18.9	Trieste, Italy	Vancouver, B. C.	General	2,120	7,784	5,913
Guayaquil	5-30	16.43	2	13.40	2	20.30	4	1.30	American	Panama R. R. S. S. Line	251.0	43.6	20.6	New York, N. Y.	Guayaquil, Ecuador	General	2,483	2,874	1,947
Navy Cutter			2		2	12.05			American	U. S. Navy				Cristobal, C. Z.	Gatun, C. Z.	Ballast			
Manizales	2	14.10	3	6.10	3	13.15	3	14.50	German	North German Lloyd	216.0	32.9	14.11	Antwerp, Belgium	Buenaventura, Col.	General	684	1,132	741
Arna	2	15.53	3	6.10	3	13.39	3	14.50	Norwegian	J. J. Moore & Co.	410.0	54.0	16.0	Norfolk, Va.	San Francisco, Cal.	Ballast		6,258	4,744
Kinkasan Maru	2	17.25	3	7.10	3	14.57	3	16.40	Japanese	Mitsui & Co.	380.0	53.0	24.0	New Orleans, La.	Moji, Japan	([13])	6,616	5,545	3,488
President Hayes	3	6.55	3	7.35	3	14.04	4	00.17	American	Dollar Line	502.0	62.2	27.0	New York, N. Y.	San Francisco, Cal.	General	3,221	12,023	8,443
Manhattan Island	2	20.10	3	8.17	3	15.28	3	16.40	American	Finkbine, Guild Tr. Co.	336.8	52.2	17.0	New Orleans, La.	San Francisco, Cal.	General	1,616	5,696	4,125
Camden [1]	2	23.59	3	9.50	3	16.47	3	18.05	American	United Fruit Co.	419.5	56.5	19.0	Port Limon, C. R.	San Luis, Calif.	Ballast		6,977	4,959
A. L. Kent	3	7.50	3	10.50	3	17.44	3	23.10	American	Isthmian S. S. Lines	394.1	55.1	27.6	Baltimore, Md.	Seattle, Wash.	Steel, general	8,437	7,047	5,030
Swifteagle [1]	3	8.50	3	10.55	3	18.40	3	19.58	American	C. D. Mallory & Co.	464.0	60.2	19.0	Fall River, Mass.	Los Angeles, Calif.	Ballast		8,473	5,997
Honduras	5-30	7.23	3	12.00	3	19.30	3	20.46	French	French Line	387.1	51.4	17.2	Havre, France	Talcahuano, Chile	General	1,423	6,020	4,312
Port Dunedin	2	12.15	3	12.50	3	20.30	4	6.45	British	Com'lth & Dom. Line	466.9	60.0	24.0	London, England	Wellington, N. Z.	General	7,662	9,959	7,226
Navy Cutter			3		3	8.14			American	U. S. Navy				Cristobal, C. Z.	Gatun, C. Z.	Ballast			
Eemdijk	3	7.55	4	6.05	4	13.06	4	16.25	Dutch	Holland-American Line	469.7	58.3	18.8	London, England	Portland, Oreg.	General	2,676	8,514	6,066
Belray [2]	3	18.10	4	6.10	4	14.01	4	19.41	Norwegian	Christen Smith	319.2	46.4	17.0	Newcastle, England	Brisbane, Australia	Locomotives	1,450	3,085	2,025
Salvador	5-25	18.30	4	6.45	4	14.01	4	19.00	British	Pacific Steam Nav. Co.	215.0	33.5	18.4	Cristobal, C. Z.	Champerico, Guat.	General	1,040	1,270	735
Sagoland	4	00.20	4	7.35	4	14.36	4	16.25	Swedish	Axel Brostrom & Son	430.2	54.2	15.6	Havre, France	Arica, Chile	Ballast		6,840	5,014
Orleans	4	6.25	4	8.20	4	15.32	4	16.45	American	Quaker Line	395.5	55.0	20.5	Philadelphia, Pa.	Portland, Oreg.	General	3,501	7,330	5,233
Daghestan	3	15.10	4	9.35	4	16.26	5	18.37	British	Anglo-Saxon Pet. Co.	405.0	52.0	19.3	Curacao, D. W. I.	Balboa, C. Z.	Kerosene, benz'e	2,056	6,355	4,599
Loriga [2]	4	5.00	4	11.10	4	17.37	5	2.47	British	Pacific Steam Nav. Co.	406.5	54.2	16.8	Glasgow, England	Corral, Chile	General	2,103	7,331	5,091
Suwied	4	11.00	4	11.55	4	19.12	5	1.37	American	Amer.-Hawaiian Line	324.0	46.2	20.9	Baltimore, Md.	Seattle, Wash.	General	3,719	3,983	2,629
Gulfstate [1]	4	11.10	4	12.25	4	19.59	4	21.45	American	Gulf Refining Co.	435.0	56.0	17.2	Beverly, Mass.	Los Angeles, Calif.	Ballast		7,643	5,324
Maimyo	4	12.30	4	13.10	4	20.54	5	6.40	British	Com'lth & Dom. Line	421.0	56.0	20.0	New York, N. Y.	Newcastle, N.S.W.	General	2,600	6,441	4,544

[1] Tanker. [11] Barge. [12] Motor schooner. [13] Scrap metal and cotton.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ampetco [1]	28	13.00	29	6.25	29	14.40	29	14.40	Belgium	Standard Oil Co.	464.7	60.2	26.0	San Francisco, Cal.	Hamburg, Germany	Gasoline	10,000	8,583	6,262
Royal Arrow [1]	29	4.00	29	7.16	29	15.30	29	15.30	American	Standard Transp. Co.	467.7	62.7	27.0	Los Angeles, Calif.	Providence, R. I.	Gasoline	11,309	9,699	6,895
Sylvafield [2] [1]	29	6.45	29	7.55	29	15.50	29	19.20	British	Hunting & Son	395.0	52.0	25.11	Los Angeles, Calif.	Valentia, Ireland	Gasoline	7,544	5,900	3,993
Point Reyes	29	5.00	29	8.16	29	17.55	29	19.40	American	Gulf-Pacific Line	324.0	46.2	22.10	Portland, Oreg.	New Orleans, La.	([14])	3,450	3,984	2,617

[1] Tanker. [14] Lumber, general, and explosives.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—Continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Camden [1]	28	18.50	29	9.34	29	19.40	30	18.12	American	United Fruit Co.	419.5	56.5	26.6	San Luis, Calif.	Cristobal, C. Z.	Fuel oil	9,363	6,977	4,959
Helen B. Sterling [15]	27	2.45	29	9.43	30	2.15	6-5	14.15	American	Sterling S. S. Co.	267.0	40.6	26.0	Seattle, Wash.	Curacao, D. W. I.	Lumber	4,519	2,416	1,486
Stanley	28	12.25	29	10.24	29	20.05	29	20.05	American	American-Pioneer Line	401.7	54.8	26.0	Manila, P. I.	Boston, Mass.	General	8,261	6,933	5,187
Laguna [16]	28	19.00	29	10.43	29	21.34	30	11.55	British	Pacific Steam Nav. Co.	420.5	54.2	23.9	Corral, Chile	Liverpool, England	General	5,876	7,139	4,640
Penelope [16]	29	16.30	30	6.03	30	13.25	30	13.25	Danzig	Deutsche-Amer. Pet. Co.	470.14	63.22	26.6	Los Angeles, Calif.	Hamburg, Germany	Naphtha	11,328	9,302	6,127
Illinois	29	18.45	30	7.49	30	15.00	31	9.49	French	French Line	440.35	51.6	24.0	Arica, Chile	Le Havre, France	General	6,744	6,336	4,301
Essequibo	30	4.00	30	8.29	30	15.40	30	22.35	British	Pacific Steam Nav. Co.	450.35	57.86	26.0	Talcahuano, Chile	New York, N. Y.	Nitrate, general	3,388	9,158	6,176
M. F. Sterling	27	00.45	30	8.41	30	17.08	6-5	14.15	American	Sterling Sterling Co.	266.6	46.1	22.10	Seattle, Wash.	Curacao, D. W. I.	Lumber	1,852	2,416	1,486
Baldhill [1]	30	2.25	30	9.21	30	18.10	30	18.10	American	McAllister Brothers	416.9	56.2	26.6	Los Angeles, Calif.	Norfolk, Va.	Fuel oil	8,630	6,728	4,090
Kofuku Maru	30	3.06	30	9.36	30	19.45	31	6.10	Japanese	Cand'n Coop. Wheat Co.	385.0	51.0	26.10	Prince Rupert, B.C.	Fayal, Azores [19]	Bulk wheat	7,800	6,209	4,703
Montana	30	10.00	30	11.03	30	20.30	31	14.19	American	Norton, Lilly & Co.	419.5	56.5	29.9	N. Westmin'r B. C.	Boston, Mass.	Lumber	7,840	8,696	6,315
Mary D.	30	12.42	30	13.39	30	21.49	30	21.40	American	Norton, Lilly & Co.	380.2	53.1	23.0	Port Alberni, B. C.	N. London, Conn.	Lumber	6,300	5,516	3,043
Tirmore	30	20.00	31	7.07	31	17.00	31	17.00	American	Ore S. S. Corp.	449.1	57.3	29.11	Cruz Grande, Chile	Baltimore, Md.	Iron ore	11,600	7,847	5,185
Chiman [16]	30	20.09	31	7.11	31	17.15	6-4	8.07	Panaman	Isth. Land & Fruit Co.	116.0	21.0	8.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee	107	211	124
George Allen	31	9.15	31	10.01	31	17.35	31	17.35	American	Garland S. S. Corp.	385.0	51.2	26.0	Aberdeen, Wash.	New York, N. Y.	Lumber	6,918	6,224	4,465
Dos Hermanos [17]	31	9.40	31	10.05	31	17.45	6-1	10.10	Panaman	Isth. Land & Fruit Co.	35.0	12.0	.....	El Real, R. P.	Cristobal, C. Z.	Bananas	.....	17	13
Clan MacWilliam	31	10.40	31	11.30	31	19.20	1	6.00	British	Clan Line Steamers, Ltd.	403.3	55.9	26.0	Fiji, So. Pacific	British Isles	General	8,830	7,838	5,895
Milwaukee [18]	29	8.00	6-1	6.23	6-1	12.52	1	14.55	American	U. S. Navy	550.0	55.0	.....	Corinto, Nicaragua	Bluefields, Nica'gua	.....	.....	.....	.....
Willzipo	30	7.45	1	7.16	1	16.08	1	16.08	American	Williams S. S. Lines	415.1	55.7	29.0	Tacoma, Wash.	Baltimore, Md.	Lumber, general	8,290	7,731	5,805
Lewis Luckenbach	31	16.55	1	8.19	1	17.25	1	17.25	American	Luckenbach Line	496.0	68.0	31.0	Portland, Oreg.	Boston, Mass.	Lumber, general	11,662	11,487	8,762
Munrio	31	14.20	1	8.47	1	17.50	1	17.50	American	Munson S. S. Line	333.6	48.2	22.3	Portland, Oreg.	New York, N. Y.	Lumber, general	4,998	4,165	3,066
Suholco	31	20.02	1	8.58	1	18.37	1	18.37	American	Transmarine Lines	324.0	46.2	23.0	Aberdeen, Wash.	New York, N. Y.	Lumber	5,500	3,984	2,619
Legazpi	6-1	6.30	1	9.51	1	16.40	2	19.45	Spanish	Cia Transatlantica	375.5	47.0	19.6	Valparaiso, Chile	Barcelona, Spain	General	1,054	4,506	2,828
Santa Eulalia	5-31	20.40	1	9.43	1	17.55	1	20.40	American	Isthmian S. S. Lines	251.0	46.3	21.0	Portland, Oreg.	Newport News, Va.	Lumber	2,360	2,823	1,930
Orduna	6-1	5.3	1	12.17	1	19.45	2	1.55	British	Pacific Steam Nav. Co.	569.3	67.3	30.4	Corral, Chile	Liverpool, England	Nitrate, general	5,267	17,143	12,011
Notre Dame de Fourviere	1	12.5	1	13.31	1	21.15	4	11.15	French	French Line	434.5	58.4	26.6	Vancouver, B. C.	Havre, France	Wheat, general	8,333	8,043	5,454
San Ubaldo [1]	1	16.30	2	6.18	2	13.55	2	13.55	British	Anglo-Saxon Pet. Co.	412.0	53.4	25.0	Los Angeles, Calif.	Land's End, Eng. [19]	Gasoline	7,374	5,976	4,069
La Brea [1]	1	20.00	2	6.59	2	15.20	2	15.20	American	Union Oil Co. of Calif.	435.0	56.2	28.3	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	7,895	7,150	4,765
Alvarado	1	16.10	2	8.15	2	16.45	2	23.45	British	Pacific Steam Nav. Co.	303.0	43.0	11.0	Callao, Peru	New York, N. Y.	Coffee, hides	798	2,844	1,748
Somerset	1	13.10	2	9.23	2	17.12	2	19.25	British	N. Z. Shipping Co.	460.6	62.8	24.0	Sydney, Australia	London, England	Frozen, general	6,439	10,650	7,993
Feltore	2	7.20	2	10.06	2	18.25	2	18.25	American	Ore S. S. Corp.	449.1	57.2	29.0	Cruz Grande, Chile	Baltimore, Md.	Iron ore	11,000	7,808	5,139
British Star [1]	2	5.30	2	11.10	2	18.40	2	18.40	British	British Tankers, Ltd.	430.5	57.0	26.0	Los Angeles, Calif.	Land's End, Eng. [19]	Fuel oil	9,262	7,174	4,964
Urubamba	2	00.23	3	6.10	3	15.10	6	18.45	Peruvian	Peruvian Line	381.2	46.1	18.6	Callao, Peru	Cristobal, C. Z.	General	1,650	4,803	2,951
Oriole	3	4.00	3	7.15	3	16.20	3	16.20	American	Oriental Nav. Co.	410.5	54.2	26.6	Portland, Oreg.	Philadelphia, Pa.	Lumber	7,000	6,755	4,873
Bienvenido	4-22	21.25	3	9.50	3	16.50	3	19.55	British	P. N. & J. N. Carranza.	210.3	32.15	12.0	Buenaventura, Col.	Cristobal, C. Z.	Ballast	1,345	806	

[1] Tanker. [15] Schooner. [16] Motor ship. [17] Motor schooner. [18] Cruiser. [19] For orders.

Columbian	3	13.00	3	14.04	3	20.18	3	29.18	American	Amer.-Hawaiian Line	404.6	53.95	25.6	Portland, Oreg.	Boston, Mass.	General	5,280	6,760	4,450
San Rosendo [1]	3	9.00	4	6.11	4	13.20	4	13.20	British	Anglo-Saxon Pet. Co.	407.1	51.25	25.6	Los Angeles, Calif.	Lizard Head, Eng [19]	Gasoline	7,342	6,237	4,353
Hurunui	3	16.00	4	7.05	4	16.40	4	17.40	British	N. Z. Shipping Co.	470.0	63.0	26.0	Napier, N. Z.	London, England	Frozen, general	6,964	10,174	7,209
Abron	3	17.30	4	7.57	4	16.52	4	16.52	American	Finkbine, Guild Tr. Co.	386.8	52.2	22.8	San Francisco, Cal.	New Orleans, La.	Lumber	5,800	5,732	4,131
Hagan [1]	3	17.45	4	9.22	4	17.40	4	17.40	American	McAllister Bros.	416.9	56.2	27.2	Los Angeles, Calif.	New York, N. Y.	Fuel oil	9,000	6,728	4,737
Epoca [16]	5–28	3.00	4	15.08	4	23.00	4	23.00	Norwegian	Merritt, Chap'n & Scott.	213.9	35.2	13.0	Culebra Bay, C. R.	Cispata, Colombia.	Ballast		1,218	742

[1] Tanker.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
May 29	Cartago	United Fruit Co.	New Orleans via Habana.
May 29	Maravi	United Fruit Co.	Puerto Colombia.
May 29	Calamares	United Fruit Co.	Port Limon, Costa Rica.
May 30	Pastores	United Fruit Co.	New York via Habana.
May 30	Charles Pratt	Standard Oil Co.	New York, N. Y.
May 31	Denver [20]	U. S. Navy	Bluefields, Nicaragua.
June 1	Charles Pratt	Standard Oil Co.	High seas.
June 1	Suriname	United Fruit Co.	Port Limon, Costa Rica.
June 1	Saramacca	United Fruit Co.	New Orleans, La.
June 1	Rugia	Hamburg-American Line	Hamburg, Germany.
June 1	Perou	French Line	St. Nazaire via wayports.
June 1	Sixaola	United Fruit Co.	New York via Kingston.
June 1	Nellie Moulton [21]	Surgeon Brothers	Colon, R. P.
June 1	Inapaquina [21]	United Fruit Co.	Colon, R. P.
June 2	Inapaquina [21]	United Fruit Co.	Colon, R. P.
June 2	Tivives	United Fruit Co.	Cartagena, Colombia.
June 2	Venezuela	Royal Netherlands S. S. Co.	Amsterdam via wayports.
June 2	Virginia	Standard Fruit S. S. Co.	New Orleans, La.
June 3	Virginia	Standard Fruit S. S. Co.	San Blas coast, R. P.
June 4	Venezuela	Royal Netherlands S. S. Co.	Port Limon, Costa Rica.
.....	.....	.....	.....

* DEPARTURES.

Date.	Vessel.	Line.	For—
May 29	U.S.S. Cleveland [20]	U. S. Navy	High seas.
May 29	Maravi	United Fruit Co.	New York via Kingston.
May 29	Calamares	United Fruit Co.	New York via Habana.
May 29	Ancon	Panama R. R. S. S. Line	New York via Haiti.
May 30	Cartago	United Fruit Co.	New Orleans and wayports.
May 31	Charles Pratt	Standard Oil Co.	Baltimore, Md.
June 1	Denver [20]	U. S. Navy	Bluefields, Nicaragua.
June 1	Nellie Moulton [21]	Surgeon Brothers	Bluefields, via wayports.
June 1	Suriname	United Fruit Co.	New Orleans, La.
June 1	Pastores	United Fruit Co.	Port Limon, Costa Rica.
June 1	Inapaquina [21]	United Fruit Co.	Colon, R. P.
June 2	Rugia	Hamburg-American Line	Port Limon, Costa Rica.
June 2	Sixaola	United Fruit Co.	Colombian ports.
June 2	Tivives	United Fruit Co.	New York via Kingston.
June 2	Venezuela	Royal Netherlands S. S. Co.	Port Limon, Costa Rica.
June 2	Saramacca	United Fruit Co.	Port Limon via Bocas del Toro, R. P.
June 2	Virginia	Standard Fruit S. S. Co.	San Blas coast, R. P.
June 3	Perou	French Line	St. Nazaire via wayports.
June 4	Virginia	Standard Fruit S. S. Co.	New Orleans, La.
June 4	Venezuela	Royal Netherlands S. S. Co.	Amsterdam and wayports.

[20] Cruiser. [21] Motor schooner.

PORT OF BALBOA.

May 31	Pathfinder [22]	Mrs. L. G. Salkey	Panama Bay, R. P.	May 30	Tamaha	Standard Transportation Co.	Los Angeles, Calif.
June 2	Montebello	Union Oil Co. of California	Los Angeles, Calif.	May 31	Pathfinder [22]	Mrs. L. G. Salkey	Panama Bay, R. P.
June 4	Ginyo Maru	Nippon Yusen Kaisha	Valparaiso, Chile.	June 3	Montebello	Union Oil Co. of California	Los Angeles, Calif.
.....	.....	.....	.....	June 4	Ginyo Maru	Nippon Yusen Kaisha	Hongkong, China.

[22] Motor schooner.

* Other than ships passing through the Canal.

Prospects for Traffic for Fiscal Year.

Tolls received during the first 11 months of the current fiscal year amounted to $22,255,452.14, and it is likely the tolls for June will carry the total to over $24,000,000. The largest amount of tolls yet collected during any 12-month period occurred during the fiscal year 1924, when $24,290,963.54 was paid. This figure has been approached several times, notably during the calendar year 1926, when $23,901,540.04 was collected. The largest contributing factor in making 1924 a record year was the heavy shipments of California mineral oils during that time. This item declined during 1925 and 1926, but the trend has been slightly upward during the past year. Shipments of other commodities have increased however, since 1924, and the calendar year 1926 was the largest in the history of the Canal for total cargo tonnage through the Canal, with 27,586,051 tons.

No appreciable decline in traffic is anticipated for the balance of this year, and it is possible that the 1924 figure may be surpassed in point of tolls. With respect to cargo, the monthly average for the first 11 months of the current fiscal year shows a slight increase over the monthly average for the first 11 months of the calendar year 1926, and it is probable that a new high record will be established this year for cargo tonnage.

"John D. Archbold" and "Sunewarkco" in Collision.

The tanker *John D. Archbold* of the Standard Oil Company of New Jersey and the freight steamship *Sunewarkco* of the Submarine Boat Corporation came into collision in Cristobal Harbor in the night of May 26. The *Sunewarkco*, damaged amidships, was able to clear on May 29 for Boston. The *John D. Archbold*, damaged at the stern, transferred 107,000 barrels of her cargo to the tanker *Charles Pratt* at Cristobal, was returned through the Canal on May 31, and after discharging the balance of her cargo, amounting to 28,857 barrels, into two tanks at Balboa, was placed in the dry dock at Balboa on June 1. After the accomplishment of the necessary underwater work the vessel was brought from dry dock on June 3 and has been at the repair wharf since, for repairs to the rudder and replacement of damaged plates.

The *Charles Pratt*, to which most of the *Archbold's* cargo was transferred, was bound for Los Angeles in ballast. While awaiting the completion of work on the *Archbold* the *Pratt* has been lying at anchor in Gatun Lake. Upon the completion of the repairs the *Archbold* will take part cargo at Balboa and proceed to Gatun Lake to receive the rest from the *Pratt*, after which both vessels will clear for their destinations.

Hydrographic Survey of Gulf of Panama.

The Hydrographic Office of the U. S. Navy plans to make a survey of the Gulf of Panama and the Pacific approaches to the gulf, beginning probably within a few months. The U. S. S. *Niagara* will be used as the survey ship.

The existing charts for the areas to be covered by this survey are incomplete. The basis of the charting is surveys made by the British in the period 1849 to 1851, and while their work was remarkably thorough, hydrographic survey methods and equipment of that time were not as adequate as those which have been developed since. The British chart

has been supplemented from time to time by soundings and surveys over small localities in the area but on the present charts there are geodetic distortions and some shoals and dangerous rocks are not shown, and also the scale is too small. The increasing use of these waters with the growth of traffic through the Canal and to and from Balboa has led to the project of a complete survey. It is expected that Hydrographic Office Chart No. 1019 will be supplemented, possibly by a small scale chart and two or more detailed charts on a larger scale.

Officials on the Isthmus have not been advised as to the exact time of arrival of the *Niagara* to begin this survey but it is anticipated that it will be within a month or two.

Second Largest Commercial Vessel in Balboa Dry Dock.

The tanker *John D. Archbold*, which was in dry dock at Balboa June 1 to 3, is 570.2 feet in length by 75.1 feet beam and 42.6 feet depth, of 14,054 gross and 8,790 net registered tons, and is the second largest commercial vessel to have made use of the dry dock at Balboa. The largest commercial type vessel to have used the dock was the transport *Von Steuben*, 637.1 feet long, 66.3 feet beam, 39.3 feet depth, of 14,907 gross registered tons. The battleship *New Mexico*, 624 feet long, 97 feet 4½ inches beam, ot 32,000 displacement tons, is considered the largest vessel ever placed in the Balboa dry dock. The dock has a usable length of 1,000 feet, width of 110 feet, and depth of 35 feet of water over the blocks at mean tide or about 42 to 45 feet at normal high tide, and is capable of docking any ship in the world.

Notice to Mariners.—Menace to Navigation.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., June 4, 1927.

The following message was received by The Panama Canal through the Balboa Radio:

"S. S. *Orleans*—June 3, 1927, at 12.20 p. m., passed 3 spars projecting out of water and apparently attached to a submerged wreck. Position: Latitude 12° 15′ north; longitude 78° 26′ west. (Signed) J. L. Jacobson, Master."

M. L. WALKER,
Governor.

Notice to Mariners.—Menace to Navigation.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., June 6, 1927.

The following message was received by The Panama Canal through the Balboa Radio:

"M/S. *Tampa*, 1 p. m., June 6, 1927, latitude 8° 24′ north; longitude 79° 33′ west (Panama Bay); passed submerged wreckage, dangerous to navigation. (Signed), Neal, Master."

M. L. WALKER,
Governor.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12 cents per pound and forequarters at 9½ cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending May 28, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Mayari	United Fruit Co.		May 22		331
Otto Hugo Stinnes	Hamburg-American Line		May 22		38
Toloa	United Fruit Co.	May 22	May 22	13	30
Pacific Shipper	Furness, Withy & Co.		May 23		255
Heredia	United Fruit Co.	May 22	May 23	404	187
Linda S.	Surgeon Brothers	May 23	May 23	(1)	39½
Zenon	French Line	May 23	May 25	36	368
Calamares	United Fruit Co.	May 23	May 25	247	3[illegible]
Cauca	National Navigation Co.	May 23	May 27	216	404
Corinto	Panama Mail S. S. Co.	May 23	May 28	1,359	2,073
Carda	Kosmos Line	May 24	May 24	69	126
Wido	Roland Line	May 24	May 25	40	640
Dos Hermanos	Isthmian Land & Fruit Co.	May 24	May 25	13½	(2)
Ashbee	Grace Line	May 24	May 25	169	386
Ucayali	Peruvian Line	May 24	May 26	247	425
Baarn	Royal Netherlands S. S. Co.	May 24	May 27	482	505½
Ancon	Panama Railroad S. S. Line	May 25		3,140	
Coppename	United Fruit Co.	May 25	May 25	1½	851
Tivives	United Fruit Co.	May 25	May 26	135	938
Suriname	United Fruit Co.	May 25	May 26	991	53
Brielle	Royal Netherlands S. S. Co.	May 25	May 26	166½	1
Lubeck	Kosmos Line	May 25	May 26	68	(2)
Salvador	Pacific Steam Navigation Co.	May 25		1,043	
Median	Leyland Line	May 25	May 26	420	10
San Nazario	Eagle Oil Transport	May 25	May 28	16,354	(2)
Orbita	Pacific Steam Navigation Co.	May 25	May 26	394	19
M. F. Benefit	Colon Import & Export Co.	May 25	May 25	(1)	37
Santa Marta	United Fruit Co.	May 26	May 26	51	182
Gaasterdijk	Holland-American Line	May 26	May 26	18	82
Favorita	Standard Fruit S. S. Co.	May 26	May 27	261	60½
Ebro	Pacific Steam Navigation Co.	May 26	May 27	87	64
Tosto	Linea Mercante de Colombia	May 27	May 28	494	(2)
Canada	Johnson Line	May 27	May 27	50	(2)
Santa Tecla	N. O. & S. A. S. S. Line	May 27	May 27	79	(2)
Atrato	Colombian Transport Co.	May 27		120	
Favorita	Standard Fruit S. S. Co.	May 28	May 28	(1)	427
Utacarbon	Union Oil Co.	May 28		11,000	

[1] No cargo discharged. [2] No cargo laded.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Two Weeks Ending June 4, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
La Placentia	Union Oil Co. of California	May 22	May 24	11,742	
Corinto	Panama Mail S. S. Co.	May 23	May 23	16	
Santa Luisa	Grace Line	May 23	May 23	3	
Lena Luckenbach	Luckenbach Line	May 24	May 28	2,961	90
Salvador	Pacific Steam Navigation Co.	May 24	May 25	5	
Chateau Thierry	U. S. Army	May 25	May 28	155	85
Tejon	Standard Transportation Co.	May 25	May 25	10,008	
M. F. Sterling	Sterling S. S. Corp.	May 27	May 30	631	
W. S. Miller	Standard Oil Co. of California	May 27	May 27	10,727	
Tamaha	Standard Transportation Co.	May 28	May 30	9,060	
Epoca	Gorrissen & Co.	May 28	June 3	300	
John D. Archbold	Standard Oil Co. of California	May 31	(In port)	4,142	
Santa Elisa	Grace Line	June 1	June 1	1	
Santa Cruz	Grace Line	June 1	June 2	6	
Guayaquil	Panama R. R. S. S. Line	June 2	June 4	358	
Montebello	Union Oil Co. of California	June 2	June 3	10,667	
President Hayes	Dollar Line	June 3	June 3		10
Salvador	Pacific Steam Navigation Co.	June 4	June 4		21
Daghestan	Hindustan S. S. Co.	June 4	June 4	2,056	
Ginyo Maru	Nippon Yusen Kaisha	June 4	June 4		33

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

THE PANAMA CANAL RECORD

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Tanker Traffic Through the Panama Canal in May, 1927.

During the month of May, 1927, 115 tank ships transited the Canal, with an aggregate net tonnage, Panama Canal measurement, of 662,451, on which tolls of $582,549.72 were collected. In point of net tonnage, tanker traffic for the past month showed an increase of a little less than 1 per cent over the same traffic for the corresponding month a year ago, while cargo tonnage showed a decrease of approximately 9.1 per cent under the tanker cargo tonnage of May, 1926.

Tank ships comprised 29.4 per cent of the total commercial transits of the Canal during the month; made up approximately 29.4 per cent of the total Panama Canal net tonnage; were the source of 28.2 per cent of the tolls collected; and carried approximately 25.8 per cent of the total cargo in transit through the Canal:

The number, aggregate tonnage, tolls, and cargo of tank ships transiting the Canal during the month of May. 1927, segregated by direction of transit and nationality of vessels, are shown in the following tabulations, with comparative totals for the two preceding months and for May, 1926:

Nationality.	No. of vessels.	Panama Canal net tonngage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
British	11	62,509	$47,154 06	12,462
Danzig	1	6,127	4,411.44	.....
Norwegian	1	6,287	4,526.64	.....
United States	47	271,788	199,468.18	.....
Totals, May, 1927	60	346,711	255,560.32	12,462
Totals, April, 1927	58	338,575	247,792.46	18,349
Totals, March, 1927	60	344,866	250,165.09	7,400
Totals, May, 1926	59	309,060	257,213.08	16,054
Pacific to Atlantic.				
Belgian	1	6,279	7,634.40	10,000
British	11	55,825	60,418.75	107,223
Danzig	2	12,190	13,143.75	22,328
French	2	8,878	9,475.00	16,171
Norwegian	2	8,884	9,632.50	16,615
United States	37	223,684	226,685.00	427,322
Totals, May, 1927	55	315,740	326,989.40	599,659
Totals, April, 1927	65	372,701	383,190.90	700,520
Totals, March, 1927	58	349,070	355,116.50	647,132
Totals, May, 1926	59	348,567	348,868.43	657,620

Of the total tanker traffic shown above, the following is a summary of the vessels giving Los Angeles as their port of origin or destination, together with the totals for the two preceding months and for May, 1926:

	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
To Los Angeles.				
May, 1927	47	265,106	$191,831.25	
April, 1927	41	240,533	173,183.76	
March, 1927	49	287,266	207,095.58	
May, 1926	50	305,865	220,605.15	
From Los Angeles.				
May, 1927	41	236,931	244,372.50	449,264
April, 1927	48	288,359	294,804.70	545,928
March, 1927	39	236,440	240,562.50	441,294
May, 1926	47	279,109	280,742.50	535,980

New Record for Discharge of Tanker.

Pumping at an average rate of 6,448 barrels of oil an hour, the tanker *H. M. Storey* of the Standard Oil Company established on May 16–17, 1927, a new record for discharging oil cargo at the Panama Canal pumping plants. The vessel arrived on May 16 and started discharging at 3.25 p. m. that day. The discharge was completed at 7.30 a. m., on May 17, in 16 hours and 5 minutes. This time included 55 minutes spent in draining tanks. The oil was delivered part of the time into two tanks simultaneously, going to one through the Canal pumping plant and to the other by a second pipe line direct from the pumps on the ship.

While the *H. M. Storey* was discharging, the oil handling plant pumped 7,501.20 barrels of oil to three vessels, making the total amount of oil handled in 16 hours and 5 minutes, 111,199.30 barrels. The *H. M. Storey* left the oil crib just 24 hours after she had arrived at the Balboa anchorage.

The best previous discharge record was made by the tanker *Albertolite* of the Imperial Oil Company on July 13, 1925, at Cristobal. The *Albertolite* discharged 80,954.66 barrels in 15 hours and 45 minutes, averaging 5,139.97 barrels per hour.

"President Hayes" on Twelfth Consecutive Voyage Around the World.

The steamship *President Hayes*, one of the Dollar Steamship Line's around-the-world ships transited the Canal on June 3, having sailed from New York on May 26 on her twelfth voyage around the world.

According to published statements, when this vessel arrived in New York on May 19 last, it had encircled the world 11 times, covering an aggregate of 281,985 miles, touching at each of the 21 regular ports of call and maintaining the schedule which was laid down 3½ years ago. It is claimed that this vessel has maintained an efficiency of 97 per cent in arriving and sailing per published schedule for the 3½ years and that this performance is unequalled in maritime history.

The "President" boats are combination passenger and freight steamers and circumnavigate the earth in 106 days. Around-the-world tickets are sold good for two years, with stop-over privileges in all ports of call. This service was inaugurated in February, 1924, and maintains fortnightly sailings.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

Portion of Old Wall of City of Panama Razed.

Forces of the Municipal Engineering Division of The Panama Canal began on May 9, to excavate and raze a portion of the old wall of the City of Panama, which stood near the southwest corner of the original walled city. In the present city it lies between Central Avenue and Avenue "A," and between Herrera Plaza and 10th Street. Upon the completion of this work and the tearing down of several buildings, the National City Bank of New York will erect a modern building, bordering on Central Avenue, 10th Street, and two new streets under construction. One of the new streets will run from Central Avenue at a point west of 10th Street, connecting with the other new street running from Plaza de Herrera due south, and eventually will connect with Avenue "A."

For the following notes on the historical background of Panama and its sea wall The Panama Canal is indebted to Mr. Samuel Lewis of Panama:

Though the old City of Panama was destroyed in 1671, it was not until 1673 that Governor Fernandez de Cordoba started plans for the new city. History always gives a reason for the laying out of a new city and in this case it was on account of an old monk by the name of Gonzalo de Meneses de Alencastre y Andrede. He had come from Spain in 1669 and begun a crusade against vice and immorality in old Panama. Returning from a visit from Peru in 1672, he refused to land in old Panama and instead chose what is now Panama City. Brother Gonzalo even went so far as to predict the burning of old Panama by devils dressed in British uniforms. He was so zealous that he painted a picture of this prediction and displayed it in San Francis Church. The result was that he obtained in Lima a great sum of money to better these conditions but by the time he returned the city had been burned by the British buccaneer, Morgan. It was because of his agitation and recommendations that plans for the new City of Panama were laid.

With the planning of the new city came the question concerning protection against pirates and invasion. Governor Cordoba died in 1674 and the affairs of the government were turned over to Bishop Antonio de Leon, the ecclesiastical head of the government. The same year Alonzo Mercado de Villacorta, arrived from Tucuman, Argentina, where he had served as Sargento General de Batalla under Charles II, King of Spain. He planned the wall of new Panama, which was completed in 1681, The wall at the place which is now being razed was 11 feet wide with an outer wall that was used as a moat, and about 20 feet high.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending June 11, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
City of Panama	Panama Mail S. S. Co	June 6	June 7	126	.....
F. Q. Barstow	Standard Oil Co	June 8	June 9	4,396	.....
Venezuela	Panama Mail S. S. Co	June 9	June 10	420	33
Arana	Pacific Steam Navigation Co	June 11	June 11	1	.....

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large covered piers for the storage of cargo. These are modern structures, fireproof, ratproof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, June 11, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Astor	3	20 20	5	6 25	5	13 17	3	18 00	British	Harrison Line	410.0	52.0	17 3	Liverpool, England	Vancouver, B. C.	General		6,666	4,707
Sassolanco	5	1 15	5	6 35	5	14 10	5	15 30	American	Transmarine Lines	324.1	46.2	19 0	New York, N. Y.	San Francisco, Cal	General	1,828	3,984	2,612
Calcutta Maru	5	2 05	5	7.30	5	14 29	5	20.03	Japanese	Nippon Yusen Kaisha.	400.0	54.6	23 0	Brunswick, Ga	Kobe, Japan	Steel sheets, etc	5,533	5,790	4,178
Vistula [1] [2]	5	2 35	5	7 40	5	15 15	5	16 30	Danzig	Standard Oil Co	499.0	64.1	18.6	New York, N. Y	Los Angeles, Calif	Ballast		10,604	8,167
Inverbank [4]	5	1 50	5	8.45	5	15.32	5	21 29	British	Andrew Weir & Co	420.0	54.0	12.0	Baltimore, Md	Taltal, Chile	Ballast		7,099	5,014
Milwaukee [1]	5	7 45	5	9 00	5	16 10	7	14 15	American	U. S. Navy	550 0	55.0		Bluefields, Nica'gua	Corinto, Nicaragua				
Kentuckian	5	4 30	5	9 25	5	16 56	5	18 40	American	Amer.-Hawaiian Line	414.5	53.7	23.10	Boston, Mass	San Francisco, Cal	General	5,667	7,049	4,941
Tampa	4	23 55	5	10 10	5	16 55	6	10 48	American	Roosevelt S. S. Co	401.9	54.2	15.6	New York, N. Y.	Fremantle, Aust'lia	General	1,892	7,097	5,327
Cricaroola [4]	5	7.15	5	10 10	5	16.07	5	17.10	Panaman	United Fruit Co	110.0	14.11		Bocas del Toro, R.P.	Balboa, C. Z	Ballast		92	57
Willhilo	5	3 50	5	11 05	5	17.44	5	18 50	American	Williams S. S. Line	435.3	57.7	20.3	Baltimore, Md	Tacoma, Wash	General	5,850	7,983	5,882
Hadnot [1]	5	10.53	5	11 25	5	18.33	5	19.29	American	Cities Service Corp	416.9	56.2	19.3	New York, N. Y.	Los Angeles, Calif	Ballast		6,706	4,639
Canadian Winner	5	12 00	5	12 10	5	19 27	5	22.31	British	Can. Gov. Mer. Marine	399.8	52.0	16.2	Montreal, Canada	Vancouver, B. C.	General	1,075	5,885	4,073
Ionic	4	23 00	5	13 00	5	20 15	5	21.22	British	Shaw, Savill & Albion.	500 3	63.3	27.6	London, England	Bluff, N. Z	General	2,820	12,872	9,577
Atlantic	5	13 05	5	13 20	5	21.10	6	1 15	American	Argonaut S. S. Co	410.5	54.3	24.0	Baltimore, Md	San Francisco, Cal.	Steel, general	7,370	6,567	4,917
Altair [1]	5	20 22	6	6.10	6	14 15	6	18.20	American	Standard Transp. Co	429 3	59.2	16.0	New York, N. Y.	Los Angeles, Calif	Ballast		7,695	5,402
Conliebank [2]	5	20 33	6	6 10	6	15 04	6	18 20	British	Andrew Weir & Co	420.0	53.9	15.0	Amsterdam, Holland	Arica, Chile	Ballast		7,097	4,993
J. A. Bostwick [1]	6	1 40	6	7 30	6	15 44	6	17 20	American	Standard Oil Co	465.2	60.0	19 0	New York, N. Y.	Los Angeles, Calif	Ballast		8,511	5,981
Sunelseco	6	3 05	6	7 30	6	15.40	6	16 20	American	Transmarine Lines	324.0	46.2	20.0	Newark, N. J	San Francisco, Cal.	General	2,285	3,984	2,612
San Uzon [1]	6	7 30	6	8 40	6	15.55	6	20.04	British	Anglo-Mexican Pet. Co.	413.0	53.4	20.0	London, England	Los Angeles, Calif	Ballast		5,976	4,069
Birmingham City	5	22 24	6	9 15	6	17 01	7	15 55	American	Isthmian S. S. Lines	395 5	55.0	23.6	New York, N. Y.	Adelaide, Australia	General, oil		5,090	7,304	5,188
Steel Traveler	6	19 33	6	10 55	6	18 00	6	22 51	American	Isthmian S. S. Lines	424.2	56.2	27.0	New York, N. Y.	Singapore, Malay Peninsular.	Steel, general		8,112	7,698	5,509
Silvermoor [2]	6	11 55	6	13 40	6	20 59	6	22 10	British	W. Runciman & Co	268.0	37.8	18.7	Cardiff, England	Mejillones, Chile	Patent fuel		2,514	1,983	1,233
Tut [5]			6		6	12 51			American	J. J. Burton				Cristobal, C. Z	Gatun, C. Z	Ballast		1	1
Kanawha [1]	6	9 35	7	6 10	7	14 55	9	7 57	American	U. S. Navy	455.0	56 0	22.9	Newport, R. I	Los Angeles, Calif				
Brant [6]	6	9 40	7	6 10	7	15 56	9	7 57	American	U. S. Navy	180.0	35.6		Newport, R. I	Los Angeles, Calif				
Kingfisher [6]	6	9 40	7	6 10	7	15 56	9	7.57	American	U. S. Navy	180 0	35 6		Newport, R. I	Los Angeles, Calif				
Matatua	6	11 05	7	6.12	7	15 52	7	16 50	British	Shaw, Savill & Albion	448.0	56 2	28.1	Liverpool, England	Auckland, N. Z	General		5,232	8,375	5,659
Silverbeech [2]	6	14 23	7	6 55	7	16 42	7	17 45	British	Kerr S. S. Line	425.6	58 3	18.0	Savannah, Ga	Manila, P. I	(9)		2,115	8,226	6,039
Altair [1]	5	16 30	7	7 35					American	U. S. Navy	410 5	54.0	21.5	Hampton R'ds, Va	Gatun Lake				
Cuyama [1]	6	9 40	7	8 35	7	17 44	13	22.28	American	U. S. Navy	455 0	56 0		Newport, R. I	Los Angeles, Calif				
Tern [6]	6	9 40	7	8 35	7	17 44	13	20 00	American	U. S. Navy	180.0	35 6		Newport, R. I	Los Angeles, Calif				
Corvus	7	6 55	7	8 20	7	18 05	7	22.30	American	Isthmian S. S. Lines	410 5	54.0	24 6	Baltimore, Md	Vancouver, B. C.	Steel, general		7,626	6,604	4,655
Pleiades [1]	7	9 15	7	9 40	7	18 51	7	23 30	British	Anglo-Saxon Pet. Co	412 0	53 0	17 0	North Shields, Eng	Los Angeles, Calif	Ballast			6,325	4,253
Patrick Henry	5	17 00	7	10 17	7	19 43	7	20 46	American	American-Pioneer Line	459 6	6 2	25 1	Norfolk, Va	Shanghai, China	General		8,195	8,987	6,612
Nevada [1]	5	00 40	7	11 30	7	20 14	7	22 30	German	Rosmos Line	410.0	51 6	26.10	Hamburg, Germany	Valparaiso, Chile	General		5,146	6,402	4,463
Arctic [8]	4	14.17	8	6 45	8	14.43			American	U. S. Navy	402.6	53 0	21.0	Hampton R'ds, Va.	San Diego, Calif	Naval supplies		4,000		

[1] Tanker. [2] Motor ship. [3] Cruiser. [4] Motor schooner. [5] Launch. [6] Mine sweeper. [7] Destroyer tender. [8] Supply ship. [9] Tobacco, cotton, and general.

Procyon [10]	6	9.30	8	6.10	8	13.14	13	20.00	American	U. S. Navy	390.0	54.0	18.0	Newport, R. I.	Los Angeles Calif.				
Kasama	7	15.50	8	7.20	8	15.05	8	16.05	British	Ellerman & Bucknall	400.6	50.0	22.7	New York, N. Y.	Fremantle, Aust'lia	General	3,603	5,644	4,113
Mirlo [1]	7	20.40	8	8.45	8	15.38	8	16.40	American	Pan-Amer. Pet. & Tr. Co.	441.0	57.0	20.4	Tonsberg, Norway	Los Angeles, Calif.	Ballast		7,664	5,331
Horace Luckenbach	8	10.15	8	10.30	8	17.36	8	18.25	American	Luckenbach Line	445.0	58.0	26.0	Boston, Mass.	Seattle, Wash.	General	7,288	8,699	6,363
Charles Pratt [1]	1	1.55	8	11.20	12	16.23	12	18.05	American	Standard Oil Co.	500.0	63.0	30.0	High seas	Los Angeles, Calif.	Ballast		10,313	7,492
Montrolite [1 2]	8	13.38	8	13.50	8	21.50	9	3.55	British	Imperial Oil Co., Ltd.	510.9	68.3	22.6	Montreal, Canada	Talara, Peru	Ballast		11,555	7,695
Dos Hermanos [4]	7	21.20	8	10.00	8	17.30	8	17.58	Panaman	Isth. Land & Fruit Co.	35.0	12.0		Cristobal, C. Z.	Balboa, C. Z.	Ballast		17	13
Bethore	9	00.10	9	6.25	9	13.37	9	22.16	American	Ore S. S. Corp.	550.3	72.2	23.0	Baltimore, Md.	Cruz Grande, Chile	Ballast		15,476	4,354
Saxicava [1]	9	00.15	9	6.30	9	13.59	9	18.10	British	Anglo-Saxon Pet. Co.	410.5	53.2	17.6	Hamburg, Germany	Los Angeles, Calif.	Ballast		6,118	4,239
Panaman	9	5.00	9	7.15	9	14.56	9	19.06	American	Amer.-Hawaiian Line	407.7	53.7	22.8	New York, N. Y.	Los Angeles, Calif.	General	4,790	7,098	5,029
Sunbeam [1]	9	5.55	9	7.15	9	15.19	10	2.00	American	Sun Oil Co.	429.5	59.2	19.4	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,709	5,562
Partridge [6]	8	23.05	9	7.10	9	13.55	13	20.00	American	U. S. Navy	189.0	35.6	14.0	New York, N. Y.	Los Angeles, Calif.				
Nassa [1]	9	6.50	9	8.15	9	15.45	9	22.36	British	Anglo-Saxon Pet. Co.	412.0	53.4	17.0	Hull, England	Los Angeles, Calif.	Ballast		6,236	4,338
Finland	9	8.30	9	9.15	9	17.07	10	00.45	American	Panama-Pacific Line	560.0	69.2	21.0	New York, N. Y.	San Francisco, Cal.	General	2,001	13,559	9,016
Oroya	8	13.55	9	10.45	9	18.34	9	20.12	British	Pacific Steam Nav. Co.	525.3	62.8	25.6	Liverpool, England	Valparaiso, Chile	General	1,286½	13,133	9,064
Munsomo	9	9.53	9	12.00	9	19.44	9	21.09	American	Munson, McCor'k Line.	327.2	46.2	22.0	New York, N. Y.	Seattle, Wash.	General	4,124	3,750	2,728
H. J. Lawrence	5-29	7.30	9	12.00	9	20.42	9	22.16	American	Linea Amer. de Colom.	251.0	43.7	18.5	New York, N. Y.	Buenaventura, Col.	General	2,400	2,256	1,421
Kenowis [11]	5	6.40	10	6.45	10	14.55	11	16.30	American	U. S. Army	390.0	54.2	19.3	New York, N. Y.	Honolulu, T. H.	Army supplies	1,246	6,131	4,380
No. 315 [12]	9	6.10	10	6.20	10	17.25	10	22.46	American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	San Diego, Calif.				
No. 319 [12]	9	6.10	10	6.20	10	17.25	10	22.46	American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	San Diego, Calif.				
Bessemer City	9	15.50	10	7.12	10	15.37	10	16.52	American	Isthmian S. S. Lines	424.2	56.2	26.0	Houston, Texas	Darien, China	Rails, pipe, gen.	8,111	7,611	5,450
Canadian Constructor	10	1.30	10	8.30	10	15.58	11	7.33	British	Can. Gov. Mer. Marine	429.0	56.0	18.6	Montreal, Canada	Adelaide, Australia	General	3,578	7,680	5,494
Teno	10	1.40	10	9.40	10	17.06	10	18.10	Chilean	Chilean Line	422.8	56.2	25.0	New York, N. Y.	Valparaiso, Chile	General	1,619	7,757	4,672
No. 320 [12]	9	6.45	10	9.50					American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	San Diego, Calif.				
No. 333 [12]	9	6.45	10	9.50					American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	San Diego, Calif.				
No. 336 [12]	9	6.45	10	9.50					American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	San Diego, Calif.				
No. 316 [12]	9	6.45	10	9.50					American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	San Diego, Calif.				
Birkenhead [1]	9	18.32	10	10.52	10	17.58	10	19.26	American	Vacuum Oil Co.	425.0	57.2	21.0	Durban, S. Africa	San Francisco, Cal.				
No. 318 [12]	9	6.45	10	11.05					American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	San Diego, Calif.				
No. 317 [12]	9	6.45	10	11.05					American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	San Diego, Calif.				
No. 335 [12]	9	6.45	10	11.05					American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	San Diego, Calif.				
Chilore	10	10.40	10	11.50	10	20.00	11	3.41	American	Ore S. S. Corp.	550.0	72.0	22.0	Baltimore, Md.	Cruz Grande, Chile	Ballast		14,538	9,348
Urubamba	9	6.15	10	12.55	10	21.09	10	22.46	Peruvian	Peruvian S. S. Line	331.2	46.1	18.6	Covenas, Colombia	Callao, Peru	General, cattle	621	4,803	2,951
California [13]	11	5.30	11	6.05	11	14.25			American	U. S. Navy	600.0	97.0		Hampton R'ds, Va.	Los Angeles, Calif.				
Vega [8]	10	7.10	11	6.10	11	15.25	11	16.35	American	U. S. Navy	390.0	54.0	19.2	Norfolk, Va.	San Diego, Calif.	Supplies	2,204		
Melville [7]	11	6.20	11	7.15	11	16.17			American	U. S. Navy	490.0	54.0		Hampton R'ds, Va.	Los Angeles, Calif.				
Edwin Christensen	11	3.40	11	7.20	11	16.05	11	20.00	American	Sudden & Christensen	410.5	54.2	21.0	New York, N. Y.	San Francisco, Cal.	General	5,131	6,603	4,932
No. 341 [12]	11	6.15	11	8.45	11	17.18			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif.				
No. 277 [12]	11	6.15	11	8.45	11	17.18			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif.				
No. 276 [12]	11	6.15	11	8.45	11	17.26			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif.				
No. 278 [12]	11	6.15	11	8.45	11	17.26			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif.				
Shreveport [1]	11	4.45	11	8.55	11	16.56	11	21.10	American	Cities Service Corp.	435.0	56.0	18.6	Boston, Mass.	Los Angeles, Calif.	Ballast		7,411	5,109
Atrato [4]	5-27	21.45	21	8.42	11	18.00	11	22.50	Colombian	Colombian Transp. Co.	94.0	23.0	7.6	Cristobal, C. Z.	Buenaventura, Col.	General	150	160	92
No. 280 [12]	11	6.15	11	10.00	11	18.00			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif.				
No. 301 [12]	11	6.15	11	10.00	11	18.00			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif.				
No. 332 [12]	11	6.15	11	10.00	11	18.00			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif.				
No. 299 [12]	11	6.15	11	10.00	11	18.00			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif.				
No. 313 [12]	11	6.15	11	10.30	11	18.55			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif.				

[1] Tanker. [10] Auxiliary. [11] Transport. [12] Destroyer. [13] Battleship.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross	Net.
No. 308 [14]	11	6 15	11	10 30	11	18 55			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif				
No. 309 [14]	11	6 15	11	10 30	11	19 05			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif				
No. 298 [14]	11	6 15	11	10 30	11	19 05			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif				
No. 307 [14]	11	6 25	11	12 05	11	19 19			American	U. S. Navy	310.0	31 0		Hampton R'ds, Va.	Los Angeles, Calif				
No 302 [14]	11	6 25	11	12 05	11	19 19			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif				
No. 304 [14]	11	6 25	11	12 05	11	19 17			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif				
Relief [13]	11	5 00	11	12 00	11	20 00			American	U. S. Navy	460.1	61.0		Hampton R'ds, Va.	Los Angeles, Calif				
Gannet [16]	11	5 00	11	12 00	11	20 00	13	20.00	American	U. S. Navy	180.0	35.6		Hampton R'ds, Va.	Los Angeles, Calif				
No. 305 [14]	11	6 25	11	13 20	11	21 08			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif				
No 330 [14]	11	6 25	11	13 20	11	21.08			American	U. S. Navy	310.0	31.0		Hampton R'ds, Va.	Los Angeles, Calif				
Point Sur	11	8 10	11	13 10	11	21.33	11	22.50	American	Swayne & Hoyt	324.0	46.2	20.0	New Orleans, La.	San Diego, Calif.	General	3,000	3,984	2,612
Canadian Seigneur	11	11 30	11	14 06	11	22.06	11	23 39	British	Can. Gov. Mer. Marine	400.6	52.0	19.0	Montreal, Canada	Auckland, N. Z.	General	3,000	5,893	4.135
Heffron	11	11 50	11	14 55	11	23.41	12	5 32	American	Argonaut S. S. Co.	440.0	56.0	28.0	Baltimore, Md	Seattle, Wash.	General	10,561	8,299	6,087
Nueva Espana [15]	11	14 30	11	14 30	11	23 41			Panaman	J. Garcia				Cristobal, C. Z.	Buenavenutra, Col.	General	10	57	34

[1] Tanker. [14] Destroyer. [13] Hospital ship. [16] Mine sweeper, [17] Launch.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross	Net.
Neches [1]	4	21 20	5	6.10	5	18 03	12	10 45	American	U. S. Navy	455.0	56.0		Los Angeles, Calif.	Coco Solo, C. Z.	Oil	400		
K. R. Kingsbury [1]	4	15 05	5	7.23	5	18.05	5	18 55	American	Standard Oil Co. of Calif.	440.0	58.2	29.0	Los Angeles, Calif.	Baltimore, Md.	Crude oil	11,084	9,033	5,938
Sagadahoc	4	16 00	5	8 11	5	19 10	5	19 12	American	Argonaut S. S. Co.	420.6	54.2	27.6	Everett, Wash.	Baltimore, Md	Lumber	7,600	7,340	5,342
Halsey [1]	5	2 50	5	8 47	5	20 15	5	20.15	American	C. D. Mallory & Co.	435.0	56.0	29.0	Los Angeles, Calif.	Ponce, P. R.	Fuel oil	10,624	7,643	5,339
Santa Cecelia	5	3 16	5	9.29	5	21 30	6	1 35	American	Grace Line	408.0	55 20	25.4	Pacasmayo Peru.	New York, N. Y.	Nitrate, general	6,491	6,639	4,748
Storstad [1] [18]	5	5 05	6	6 15	6	13 50	6	13 50	Norwegian	A. F. Klaveness & Co	470.0	62.2	27.2	Los Angeles, Calif.	United Kingdom.	Gasoline	12,388	9,198	6,287
Lubrico	5	10 45	6	6.51	6	14 35	6	17 20	American	Standard Oil Co. of Calif.	425.0	57.2	27.0	Los Angeles, Calif.	Baltimore, Md	Gasoline	8,774	7,227	4,827
Empire Arrow [1]	6	3 30	6	7 14	6	15 55	6	15 55	American	Standard Transp. Co.	468.3	62.7	27.8	Los Angeles, Calif.	Providence, R. I.	Gasoline	11,425	9,841	6,946
Santa Teresa.	6	2 45	6	8 20	6	15 15	6	18.30	American	Grace Line	360.2	51.6	24.6	Tocopilla, Chile	New York, N. Y.	General	4,074½	5,726	4,086
Acajutla	5	17 30	6	8 32	6	16 50	12	7 30	British	Pacific Steam Nav. Co.	215.7	33.5	14.4	Champerico, Guat	Cristobal, C. Z.	(19)	662	1,273	706
Harold Walker [1]	5	22 20	6	9.06	6	17.40	6	22 15	American	Pan-Amer. Pet. & Tr. Co.	430.0	58.3	27.6	Los Angeles, Calif.	Santos, Brazil	Fuel oil	10,894	6,973	4,523
Edward L. Shea [1]	5	24 00	6	9 50	6	17.58	6	17.58	American	Tidewater Oil Co.	419.5	56.5	27.3	Los Angeles, Calif.	New York, N. Y.	Crude oil	10,024	6,977	4.881
Alda	6	6.00	6	10.05	6	18.40	7	00 50	German	North German Lloyd	360.64	51.0	18.3	Champerico, Guat.	Bremen, Germany	General	3,323	4,791	3.382
Maple Branch.	6	9.45	6	10.38	6	19.02	6	20.12	British	Nautilus S. S. Co.	400.0	52.0	22.0	Corral, Chile	Liverpool, England	General	6,145	5,618	4,116
Margaret Dollar	6	10 40	6	11.26	6	19.42	6	19.42	American	Dollar Line	429.0	55.0	29.6	Seattle, Wash.	Norfolk, Va	General	9,400	7.579	5,527
Lebore	6	23 00	7	5.59	7	15.40	7	15 49	American	Ore S. S. Corp.	549.65	72.25	34.6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	20,000	14.325	4,635
Willet [19]	1	17 40	7	6.19	7	12.00	7	12.30	American	Merr'tt, Chapman & Scott	181.6	35.5	13.8	Port Culebra, C.R.	New Providence	Ballast		809	628

[1] Tanker. [18] Motor ship. [19] Salvage tug. [20] Coffee, wood, sugar, and hides.

Franklin K. Lane [1]	7	4.30	7	6.59	7	15.58	7	15.58	American	Huasteca Petroleum Co.	435.0	56.2	26.0	Los Angeles, Calif.	Baltimore, Md.	Gasoline	9,722	7,405	5,131
No. 246 [21]	6	8.40	7	8.01	7	14.25	7	19.10	American	U. S. Navy	310.0	35.0	14.6	Corinto, Nicaragua.	New York, N. Y.				
City of Panama [18]	6	12.50	7	8.15	7	17.00			Panaman	Panama Mail S. S. Co.	296.09	43.93	17.6	San Francisco, Cal.	Cristobal, C. Z.	Coffee, general	714	3,848	2,603
Padilla	6	16.28	7	8.41	7	17.20	8	00.40	Colombian	Colombian S. S. Co.	247.3	43.5	13.0	Tumaco, Colombia.	Pt. Colombia, Col	(23)	93¾	2,206	1,506
Canadian Conqueror	6	19.15	7	8.57	7	17.40	7	23.50	British	Can. Gov. Mer. Marine	400.4	52.3	16.3	Brisbane, Australia	Montreal, Canada	Frozen, general	1,097	5,954	4,138
Hudson	7	7.25	7	9.38	7	18.30	8	21.10	French	French Line	396.26	50.74	24.6	San Antonio, Chile.	Havre, France	General	6,592	5,948	4,225
Suwordenco.	7	9.30	7	10.32	7	18.30	7	18.30	American	Transmarine Lines.	324.0	46.2	22.6	Tacoma, Wash.	New York, N. Y.	Lumber	4,000	3,984	2,612
DosHermanos [22]	7	9.00	7	11.13	7	21.10	8	10.00	Panaman	Isth. Land & Fruit Co.	49.0	12.0		El Real, R. P.	Cristobal, C. Z.	Bananas		17	13
Georgian	7	12.16	7	13.36	7	21.10	7	21.10	American	Amer.-Hawaiian Line	386.8	52.3	24.0	Port Angeles, Wash	Baltimore, Md.	General	6,300	5,719	4,023
Floridian	7	9.30	7	14.09	7	22.15	7	22.15	American	Amer.-Hawaiian Line	415.0	53.7	25.6	Seattle, Wash.	Boston, Mass.	General	5,913	7,273	5,105
K. I. Luckenbach	7	13.50	7	14.37	7	23.55	8	4.00	American	Luckenbach Line	446.0	56.17	28.6	Portland, Oreg.	Boston, Mass.	Lumber, general.	7,370	8,552	6,236
Borga [18]	7	20.50	8	6.19	8	13.55	9	00.07	Norwegian	Norway-Pacific Line	362.4	51.4	24.7	Vancouver, B. C.	Oslo, Norway	General	5,865	5,242	3,706
San Fernando [1]	8	2.25	8	7.25	8	16.40	11	7.45	British	Anglo-Mexican Pet. Co.	530.4	69.4	30.9	Los Angeles, Calif	Curacao, D. W. I.	Fuel oil	16,583	13,266	9,609
Mongolia	7	15.40	8	8.18	8	15.15	8	15.45	American	Panama-Pacific Line	600.0	65.0	30.0	San Francisco, Cal	New York, N. Y.	General	5,417	17,041	11,426
Edward Luckenbach	8	3.20	8	9.30	8	16.35	8	16.55	American	Luckenbach Line	436.61	57.25	28.6	Portland, Oreg.	Mobile, Ala.	General	8,056	8,543	6,427
Scania [18]	8	9.00	8	10.04	8	18.00			Swedish	Colombian Transp. Co	180.7	29.0	12.3	Buenaventura, Col.	Cristobal, C. Z.	(27)	700	720	421
Samuel Q. Brown [1]	8	9.05	8	11.05	8	18.42	9	1.15	American	Tidewater Oil Co	424.4	58.2	25.10	Los Angeles, Calif	New York, N. Y.	Crude oil	9,969	7,333	5,183
Ipswich.	8	6.15	8	11.26	8	19.15	8	19.15	American	McCormick S. S. Co	410.7	54.2	26.3	Seattle, Wash.	Baltimore, Md.	Lumber, pulp	6,962	6,616	4,614
Ballena	8	11.15	8	12.01	8	20.10	9	10.00	British	Pacific Steam Nav. Co.	400.1	52.35	17.6	Punta Arenas, Chile	Liverpool, Eng.	General	1,918	5,816	4,113
Pacific Pine	8	12.49	8	14.43	8	22.05	8	22.05	American	Ocean Transport Co.	410.5	54.3	24.6	Tacoma, Wash.	Philadelphia, Pa.	Lumber	7,200		
Northumberland	8	14.30	9	6.30	9	13.50	9	13.50	British	N. Z. Shipping Co.	530.0	63.0	25.0	Auckland, N. Z.	London, England.	Frozen, general.	4,739	13,268	9,124
F. Q. Barstow [1]	8	11.40	9	7.27	9	15.35	12	8.35	American	Standard Oil Co. of N.J.	500.0	68.2	29.0	Los Angeles, Calif.	Cristobal, C. Z.	(28)	11,381	10,530	7,604
David McKelvy [1]	9	1.15	9	8.28	9	16.15	9	16.15	American	Tidewater Oil Co.	430.0	59.2	28.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	9,333	7,629	4,325
Baldbutte [1]	9	5.49	9	9.10	9	17.35	9	17.35	American	McAllister Brothers.	416.9	56.2	26.6	Los Angeles, Calif.	Norfolk, Va.	Fuel oil	8,705	6,706	4,693
Swiftarrow [1]	9	7.20	9	10.15	9	18.40	9	18.40	American	C. D. Mallory & Co.	464.65	60.2	27.9	Los Angeles, Calif.	Philadelphia, Pa.	Fuel oil	11,760	8,473	6,050
Queenmoor	9	11.00	9	12.15	9	20.25	9	21.20	British	W. Runciman & Co.	405.0	53.6	24.9	Prince Rupert, B.C	United Kingdom.	Bulk wheat	7,800	6,300	4,547
W. H. Tilford [1]	8	19.20	10	6.17	10	16.55	10	16.55	American	Standard Oil Co. of N. J.	411.6	53.4	25.8	Talara, Peru.	San Juan, P. R.	Gasoline	5,826	6,205	4,264
F. H. Hillman [1]	9	23.00	10	7.03	10	18.08	10	21.37	American	Standard Oil Co. of Calif.	500.0	68.2	29.0	Los Angeles, Calif.	London, England.	Gasoline	13,838	11,225	7,913
Watertown [1]	9	21.15	10	7.12	10	18.25	10	18.25	American	Cities Service Trans. Co.	416.9	56.2	28.0	San Francisco, Calif	New York, N. Y.	Gasoline	8,600	6,717	4,778
Venezuela.	9	6.15	10	7.59	10	16.45	11	12.38	American	Panama Mail S. S. Co.	380.0	48.7	25.0	San Francisco, Cal.	New York, N. Y.	General	2,104	6,033	4,353
Holger	10	00.30	10	8.10	10	19.10	10	24.00	German	North German Lloyd.	423.55	52.49	25.0	Valparaiso, Chile.	Bremen, Germany	Nitrate, general.	7,217	6,431	4,693
O-7 [21]	9	18.25	10	8.14	10	19.25			American	U. S. Navy				Pearl Island, R. P.	Cristobal, C. Z.				
O-8 [21]	9	18.25	10	8.14	10	19.25			American	U. S. Navy				Pearl Island, R. P.	Cristobal, C. Z.				
Quail [25]	9	17.35	10	8.52	10	18.25			American	U. S. Navy	155.0	30.0		Pearl Island, R. P.	Cristobal, C. Z.				
O-6 [21]	9	18.25	10	9.07	10	19.25			American	U. S. Navy				Pearl Island, R. P.	Cristobal, C. Z.				
O-9 [24]	9	18.25	10	9.07	10	19.25			American	U. S. Navy				Pearl Island, R. P.	Cristobal, C. Z.				
O-10 [21]	9	18.33	10	9.03	10	19.25			American	U. S. Navy				Pearl Island, R. P.	Cristobal, C. Z.				
Point Bonito	10	5.30	10	9.30	10	19.55	10	19.55	American	Swayne & Hoyt	324.0	46.2	21.6	Seattle, Wash.	New Orleans, La.	Lumber, general.	3,551	3,984	2,617
Agwimars	10	6.00	10	10.09	10	20.42	10	21.25	American	A. G. W. I. S. S. Line.	429.3	59.2	27.6	Los Angeles, Calif.	New York, N. Y.	Gas oil	10,650	7,596	5,209
Bencleuch	10	6.00	10	10.51	10	22.55	11	11.10	British	Wm. Thomson & Co.	410.6	54.1	23.10	Tacoma, Wash.	London, England.	Lumber	6,457	6,221	4,227
John D. Archbold [1] [26]	5-31	20.35	10	11.33	11	18.14	11	18.14	American	Standard Oil Co. of N.J.	554.9	75.3	20.0	Balboa, C. Z.	New York, N. Y.	Crude oil	4,286	14,785	10,313

[1] Tanker. [21] Destroyer. [22] Motor schooner. [23] Ivory nuts, rubber, cocoa, and general. [24] Submarine. [25] Submarine tender. [26] Came South May 31, for dry-docking only.
[27] Coffee, hides, and gold. [28] Diesel and bunker oil.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Balblair	10	7 20	10	11 59	10	22 55	11	3 00	British	United Steam Nav. Co.	406 5	54 1	23 10	Portland, Oreg	Hampton R'ds, Va.[29]	Wheat	7,812	6,124	4,608
Canadian Transporter.	10	14 10	10	14 46	11	00 20	11	10 05	British.	Can. Gov. Mer. Marine	400 0	52 0	24 0	Vancouver, B. C.	Glasgow, Scotland	General	6,482	6,228	4,491
Gymeric [1]	10	10 10	11	6 13	11	19 10	12	3 15	British	Andrew Weir & Co.	420 3	54 6	26 6	Los Angeles, Calif	United Kingdom	Gasoline	8,629	6,501	4,459
Bohemian Club[1]	10	16 35	11	6 40	11	19 15	11	19 14	American	Atlantic Refining Co	425.0	57 0	27.6	Los Angeles, Calif	Philadelphia, Pa.	Bulk gasoline.	9,453	7,204	4,769
Santa Isabel.	10	21 25	11	7 40	11	20 07	11	20 07	American	American & Cuban Line	251.0	43.0	22 0	Queen Charlotte City, B. C.	New York, N. Y.	Lumber	2,424	2,823	1,740
Arana	11	8 26	11	9 31	11	20 24	13	18 18	British	Pacific Steam Nav. Co	393.4	43.0	15 6	Pimental, Peru	New York, N. Y.	([10])	727	2,851	1,697
Dakotan.	11	8 30	11	9 52	11	20 35	11	20 35	American	Amer.-Hawaiian Line	407.7	53 7	24 6	Portland, Oreg	Boston, Mass.	General.	5,717	7,156	5,058
Maine	11	9 00	11	10 33	11	21 18	11	21 18	American	Seas Shipping Co	402.0	54 2	25.8	Everett, Wash.	New York, N. Y.	Lumber	7,086	6,936	5,024
Algonquin [2]	11	7 49	11	11 43	11	22 20	11	22 20	American	Standard Transp. Co.	435 0	56.0	27.0	Los Angeles, Calif	New York, N. Y.	Gas oil	9,929	7,602	5,337
Loshgoil [3]	11	8 00	11	12 53	11	23 59	12	14 35	British	Royal Mail S. P. Co	485.6	62 3	29 0	Victoria, B. C.	Rotterdam, Holland	General	9,286	10,803	7,606
No. 242 [3]	11	23 04	11	13 42	11	20 43	11	21 35	American	U. S. Navy	310.0	31 0		Corinto, Nicaragua	New York, N. Y.				

[1] Tanker. [29] For orders. [10] Cocoa, ivory nuts, etc. [3] Motor ship. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
June 5	Macabi	United Fruit Co	New York via wayports.
June 5	Pastores	United Fruit Co	Port Limon, Costa Rica.
June 5	Parismina	United Fruit Co	New Orleans via Habana.
June 5	Preston [32]	U. S. Navy	Pto. Cabezas, Nicaragua.
June 6	Ulua	United Fruit Co	New York via Habana.
June 8	Saramacca	United Fruit Co	Bocas del Toro, R. P.
June 8	Coppename.	United Fruit Co	New Orleans via Habana.
June 8	Carrillo	United Fruit Co	New York via Kingston.
June 8	Inapaquina [33]	United Fruit Co	Colon, R. P.
June 9	Sixaola	United Fruit Co	Port Limon, Costa Rica.
June 9	Favorita	Standard Fruit S. S. Co.	New Orleans, La.
June 9	Cristobal	Panama Railroad S. S. Line.	New York via Haiti.
June 9	Impco [33]	Colon Import & Export Co	Colon, R. P.
June 9	Carmaino [35]	Colon Import & Export Co	Colon, R. P.
June 10	St. Mihiel [34]	U. S. Army	New York.
June 11	San Jose	United Fruit Co	Puerto Colombia.

* DEPARTURES.

Date.	Vessel.	Line.	For—
June 5	Pastores	United Fruit Co	New York via Habana.
June 5	Macabi	United Fruit Co	New York via Kingston.
June 5	Inapaquina [33]	United Fruit Co	Colon, R. P.
June 6	Parismina	United Fruit Co	New Orleans and wayports.
June 6	Preston [32]	U. S. Navy	High seas.
June 6	Linda S [31]	Surgeon Brothers	Bluefields and wayports.
June 8	Ulua	United Fruit Co	Port Limon, Costa Rica.
June 8	Saramacca	United Fruit Co	New Orleans, La.
June 8	Inapaquina [33]	United Fruit Co	Colon, R. P.
June 9	Carrillo	United Fruit Co	Colombian ports.
June 9	Sixalo	United Fruit Co	New York via Kingston.
June 9	Coppename	United Fruit Co	Port Limon via Bocas.
June 9	Favorita	Standard Fruit S. S. Co	San Blas coast, R. P.
June 10	El Panquiaco	Panaman Government.	Colon, R. P.
June 11	Carmaino [35]	Colon Import & Export Co	Colon, R. P.
June 11	Impco [33]	Colon Import & Export Co	Colon, R. P.

[32] Destroyer. [33] Motor schooner. [34] Transport. [35] Schooner. * Other than ships passing through the Canal.

(Continued on page 596, column 2.)

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12 cents per pound and forequarters at 9½ cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Commercial Traffic Through the Panama Canal in May, 1927, by Trade Routes.

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	93	379,813	481,452	604,915	377,741	$405,882.39	250,165
Europe to west coast of South America:							
British	9	42,072	53,660	68,085	42,255	51,642.86	23,444
Dutch	3	14,283	19,632	20,161	12,268	17,853.75	10,960
French	2	7,588	9,151	12,218	7,564	9,485.00	2,773
German	3	11,697	15,896	19,244	11,805	14,621.25	18,424
Italian	2	5,353	7,006	9,271	5,412	6,691.25	2,807
Norwegian	2	3,833	4,455	6,081	3,906	4,791.25	7,395
Spanish	1	2,459	2,827	4,349	2,565	3,073.75	196
Yugoslav	2	5,424	7,484	8,742	5,396	6,780.00	9,792
Totals	24	92,709	120,114	148,151	91,171	114,939.11	75,791
East coast of United States to west coast of South America:							
British	3	9,348	12,131	15,983	9,736	11,685.00	7,246
Colombian	1	295	339	474	239	368.75	460
Peruvian	1	1,483	1,529	2,155	1,169	1,834.80	1,314
Swedish	1	3,743	4,496	15,337	4,385	3,237.12	.....
United States	14	54,791	63,895	92,418	55,430	49,828.83	18,220
Totals	20	69,660	82,390	126,367	70,959	66,954.50	27,240
East coast of United States to Far East:							
British	6	20,067	31,307	33,668	20,061	25,083.75	37,156
Danish	1	3,142	4,066	5,177	3,199	3,927.50	7,117
Japanese	4	15,899	18,560	22,632	15,295	19,873.75	24,594
Norwegian	1	2,507	4,284	4,333	2,494	3,133.75	3,771
United States	5	20,075	28,585	32,242	20,037	25,093.75	35,494
Totals	17	61,690	86,802	98,052	61,086	77,112.50	108,132
Europe to west coast Canada:							
British	4	11,054	15,884	18,048	11,095	13,303.52	2,569
Danish	1	4,219	5,317	6,645	4,244	5,273.75	4,493
Dutch	3	16,130	19,643	26,076	16,143	20,162.50	10,907
French	2	7,631	10,759	12,556	7,786	9,538.75	11,859
German	2	7,581	11,416	12,176	7,619	9,476.25	11,350
Norwegian	1	4,679	5,854	7,468	4,724	5,848.75	7,302
Swedish	2	5,717	9,511	9,435	7,158	7,146.25	12,748
Totals	15	57,011	78,384	92,404	58,769	70,749.77	61,228
Europe to west coast of United States:							
British	7	29,813	37,068	49,105	30,267	26,573.79	5,807
Danzig	1	5,268	6,127	8,939	5,007	4,411.44	.....
Norwegian	3	11,086	14,691	18,232	10,858	10,577.52	.....
United States	3	12,471	14,603	20,501	13,349	10,514.16	.....
Totals	14	58,638	72,489	96,777	59,481	52,076.91	5,807

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
East coast of United States to Australasia:							
British	10	37,540	54,294	59,388	37,330	$46,925.00	57,404
Norwegian	1	2,379	3,927	3,999	2,353	2,973.75	6,400
United States	1	3,763	5,268	5,879	3,689	4,703.75	3,677
Totals	12	43,682	63,489	69,266	43,372	54,602.50	67,481
Cristobal, C. Z., to west coast of South America:							
British	1	614	622	1,138	602	746.40	787
Colombian	6	1,687	2,016	2,821	1,750	2,089.95	2,606
Panaman	1	113	124	207	109	89.28	.....
Peruvian	2	1,978	4,810	6,610	3,028	2,472.50	588
Swedish	1	344	421	658	436	303.12	.....
Totals	11	4,736	7,993	11,434	5,925	5,701.25	3,981
Europe to Australasia:							
British	7	39,055	51,646	62,656	39,477	48,818.75	50,096
French	1	4,343	5,629	7,007	4,402	5,428.75	3,477
Totals	8	43,398	57,275	69,663	43,879	54,247.50	53,573
East coast of Canada to west coast of South America:							
British	4	21,406	24,951	36,487	21,883	17,964.72	.....
United States	1	5,978	7,995	9,564	5,979	5,756.40	.....
Totals	5	27,384	32,946	46,051	27,862	23,721.12	.....
East coast of United States to west coast of Canada:							
Italian	1	3,303	4,013	5,493	3,241	4,128.75	5,326
United States	4	11,658	16,998	19,011	11,645	14,572.50	26,109
Totals	5	14,961	21,011	24,504	14,886	18,701.25	31,435
Cristobal, C.Z., to Balboa, C.Z.:							
Panaman	1	39	45	50	50	32.40	.....
United States	3	9,191	10,625	14,770	9,120	11,281.75	.....
Totals	4	9,230	10,670	14,820	9,170	11,314.15	.....
Cristobal, C. Z., to west coast of United States:							
Panaman	1	1,384	2,606	3,644	2,594	1,730.00	2,338
United States	3	10,539	12,437	17,138	10,442	9,298.11	1,853
Totals	4	11,923	15,043	20,782	13,036	11,028.11	4,191
East coast of Canada to Australasia:							
British	3	9,559	12,428	15,952	9,862	11,948.75	9,495
East coast of South America to west coast of Canada:							
British	1	5,204	6,051	8,932	5,144	6,505.00	12,462
Norwegian	1	2,431	4,375	4,000	2,485	3,038.75	3,023
United States	1	3,508	5,014	5,652	3,522	4,385.00	4,566
Totals	3	11,143	15,440	18,584	11,151	13,928.75	20,051
Cristobal, C. Z., to west coast of Central America:							
British	1	638	706	11,070	654	797.50	1,172
Costa Rican	1	69	69	123	72	51.75	.....
Norwegian	1	485	606	855	482	606.25	850
Totals	3	1,192	1,381	2,148	1,208	1,455.50	2,022
Paraiso, C. Z., to Balboa, C. Z.:							
German	3	215	215	215	215	161.25	.....
West Indies to west coast of United States:							
British	1	3,077	4,284	4,963	3,158	3,846.25	4,000
United States	1	4,255	4,768	6,883	4,255	3,432.96	.....
Totals	2	7,332	9,052	11,846	7,413	7,279.21	4,000

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
East coast of United States to Philippine Islands:							
British	1	3,604	6,300	6,734	3,656	$4,505.00	5,755
United States	1	5,804	6,207	7,717	5,791	7,255.00	7,585
Totals	2	9,408	12,507	14,451	9,447	11,760.00	13,340
Around the world:							
United States	2	14,573	19,028	24,661	14,515	18,216.25	6,597
Canadian intercoastal:							
British	1	3,278	4,121	5,752	3,551	4,097.50	4,500
East coast of Canada to Far East:							
British	1	3,358	5,418	5,321	3,405	4,197.50	7,140
East coast of United States to Balboa, C. Z.:							
United States	1	831	875	1,819	880	630.00	.....
Europe to west coast of Central America:							
German	1	2,163	2,753	3,703	2,144	2,703.75	2,772
Tolls collected on supplemental bill	.....	.....	.....	.....	.....	540.00	.....
Totals, May, 1927	254	937,887	1,213,276	1,527,638	941,128	1,043,949.52	758,941
Totals, May, 1926	248	901,543	1,156,783	1,478,327	909,986	1,000,380.33	749,376
Totals, May, 1925	214	815,730	1,034,001	1,321,443	822,458	905,256.77	674,258

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	69	303,494	385,206	488,238	302,387	$377,771.25	618,284
West coast of Canada to Europe:							
British	11	42,950	54,643	69,218	43,239	53,687.50	85,062
Danish	1	5,188	5,663	6,913	5,218	6,485.00	10,084
Dutch	3	16,039	20,223	25,434	16,047	20,048.75	27,931
French	1	3,223	4,834	5,390	3,219	4,928.75	8,423
German	1	2,624	4,027	4,454	2,618	3,280.00	6,278
Italian	1	5,310	5,916	7,057	4,455	6,637.50	9,050
Japanese	1	4,366	4,763	5,822	4,280	5,457.50	7,800
Norwegian	1	4,509	5,637	7,116	4,493	5,636.25	9,506
Swedish	1	2,781	4,860	4,960	3,665	3,476.25	6,123
United States	1	3,465	5,450	5,687	3,450	4,331.25	7,851
Totals	22	90,455	116,016	142,051	90,684	113,068.75	178,108
West coast of South America to east coast United States:							
British	2	9,539	12,477	16,969	10,308	11,923.75	7,227
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	8,016
German	1	4,386	5,221	7,134	4,369	5,482.50	8,250
Norwegian	1	825	1,192	1,427	815	1,031.25	1,170
Peruvian	1	2,073	2,621	3,287	1,993	2,591.25	2,887
Swedish	2	7,486	8,917	30,676	8,762	9,357.50	41,000
United States	13	48,215	56,968	82,267	48,140	60,125.10	133,882
Totals	21	76,036	92,101	149,070	78,363	94,901.35	202,432
West coast of United States to Europe:							
Belgian	1	6,279	6,362	8,247	5,978	7,634.40	10,000
British	11	33,450	41,881	54,797	33,765	41,812.50	72,143
Danzig	1	5,268	6,127	8,939	5,007	6,585.00	11,328
French	2	7,580	8,878	11,804	6,853	9,475.00	16,171
Japanese	1	5,066	5,147	6,787	5,085	6,176.40	9,020
Norwegian	1	3,262	3,777	5,240	3,088	4,077.50	6,947
Panaman	1	3,049	4,114	4,963	3,040	3,811.25	7,638
Totals	18	63,954	76,286	100,777	62,816	79,572.05	133,247
West coast of South America to Europe:							
British	4	16,176	20,587	24,803	16,267	20,220.00	25,124
Danzig	1	5,247	6,063	8,932	5,002	6,558.75	11,000
Dutch	3	9,637	13,724	15,906	9,202	12,046.25	19,535
French	1	3,683	4,301	5,791	3,589	4,603.75	6,807
German	5	15,812	22,844	25,920	15,872	19,765.00	33,907
Italian	1	3,474	4,280	6,161	3,483	4,342.50	2,456
United States	1	4,097	4,787	6,693	4,797	5,121.25	8,733
Totals	16	58,126	76,586	94,206	58,212	72,657.50	107,562

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
West coast of Canada to east coast of United States:							
United States	10	33,006	43,908	53,405	33,599	$41,257.50	67,444
West coast of South America to Cristobal, C. Z.:							
Colombian	5	520	542	822	505	632.40	735
Panaman	2	226	248	414	218	282.50	353
Peruvian	2	1,978	4,810	6,610	3,028	2,472.50	1,692
Swedish	1	344	421	658	436	430.00	801
Totals	10	3,068	6,021	8,504	4,187	3,817.40	3,581
Australasia to Europe:							
British	8	44,938	58,440	72,794	45,642	56,172.50	46,323
Norwegian	1	9,791	10,329	13,246	9,614	12,238.75	10,565
Totals	9	54,729	68,769	86,040	55,256	68,411.25	56,888
West coast of United States to Cristobal, C. Z.:							
British	1	7,534	8,463	12,029	7,440	9,417.50	16,354
United States	4	14,688	17,396	23,791	14,596	18,360.00	33,725
Totals	5	22,222	25,859	35,820	22,036	27,777.50	50,079
Far East to east coast United States:							
Japanese	1	4,374	5,687	6,965	4,288	5,467.50	6,468
United States	3	10,529	12,707	15,917	10,735	13,335.28	16,353
Totals	4	15,303	18,394	22,882	15,023	18,802.78	22,821
Philippine Islands to east coast of United States:							
Japanese	1	4,393	5,749	7,005	4,321	5,491.25	7,617
United States	3	13,327	16,510	20,145	13,302	16,658.75	27,257
Totals	4	17,720	22,259	27,150	17,623	22,150.00	34,874
West coast of South America to east coast Canada:							
British	4	20,467	23,721	34,677	21,053	25,583.75	47,528
West coast of United States to West Indies:							
United States	4	12,278	13,798	18,714	12,251	15,347.50	28,592
West coast Mexico to Europe:							
Norwegian	3	68	129	487	172	82.02	.....
West coast of Central America to Cristobal, C. Z.:							
British	2	1,286	1,441	2,298	1,304	1,607.50	2,174
Norwegian	1	485	606	855	482	606.25	1,338
Totals	3	1,771	2,047	3,153	1,786	2,213.75	3,512
West coast of United States to east coast of South America:							
Norwegian	1	4,444	5,107	7,032	4,412	5,555.00	9,668
United States	1	4,285	5,159	6,999	4,303	5,356.25	9,823
Totals	2	8,729	10,266	14,031	8,715	10,911.25	19,491
Australasia to east coast of Canada:							
British	2	6,574	8,513	10,936	6,714	8,217.50	3,640
East coast of Canada to West Indies:							
British	1	1,456	1,607	2,410	1,451	1,820.00	2,771
United States	1	1,125	1,369	1,893	1,125	1,406.25	2,200
Totals	2	2,581	2,976	4,303	2,576	3,226.25	4,971
Canadian intercoastal:							
British	2	6,345	8,532	10,268	6,402	7,931.25	12,900
West coast of South America to West Indies:							
British	1	1,264	1,413	1,974	1,194	1,017.36	.....
West coast of Central America to Europe:							
German	1	3,711	5,514	5,708	3,420	4,638.75	2,130

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Balboa, C.Z., to Cristobal, C.Z.:							
Panaman	1	61	57	89	61	$45.75	.....
Hawaiian Islands to Europe:							
Swedish	1	3,430	5,533	5,554	4,225	4,287.50	7,488
Far East to West Indies:							
Japanese	1	3,368	4,598	5,446	3,311	4,210.00	6,850
West coast of South America to Egypt:							
Yugoslav	1	3,602	4,379	5,589	3,591	4,502.50	8,300
Around the world:							
German	1	7,772	12,735	19,692	9,931	9,715.00	.....
Tolls collected on supplemental bill	.....	.....	.....	.....	.....	3.75	.....
Totals, May, 1927	217	820,134	1,035,616	1,348,764	825,588	1,022,121.21	1,620,772
Totals, May, 1926	222	849,394	1,086,320	1,398,031	854,297	1,056,585.22	1,667,325
Totals, May, 1925	158	642,737	813,681	1,048,774	648,317	800,335.43	1,148,784

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Two Weeks Ending June 11, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Laded.
				Tons.	*Tons.*
Ancon	Panama Railroad S. S. Line	.....	May 29	.....	595
Lochmonar	Pacific Steam Navigation Co	.....	May 29	.....	151
Calamares	United Fruit Co	May 29	May 29	23	52
Maravi	United Fruit Co	May 29	May 29	84	88
Cartago	United Fruit Co	May 29	May 30	136	129
Loreto	Pacific Steam Navigation Co	May 29	May 30	161½	248
Laguna	Pacific Steam Navigation Co	May 29	May 30	130	(1)
Camden	United Fruit Co	May 29	May 30	5,078	(1)
H. J. Lawrence	Linea Amer. de Colombia	May 29	.....	60	.....
Essequibo	Pacific Steam Navigation Co	May 30	May 30	13	6
Illinois	French Line	May 30	May 31	285	(1)
Apurimac	Peruvian Line	May 30	June 1	126	116
Pastores	United Fruit Co	May 30	June 1	266	1½
Almagro	Pacific Steam Navigation Co	May 30	June 2	393	306
Guayaquil	Panama Railroad S. S. Line	May 30	June 2	830	666
Honduras	French Line	May 30	June 3	33	345
Santa Cruz	Grace Line	May 31	June 1	170	193
Buenos Aires	Spanish Line	May 31	June 1	159	107½
Chiman	Isthmian Land & Fruit Co	May 31	June 1	107	(1)
Dos Hermanos	Isthmian Land & Fruit Co	May 31	June 1	20	(1)
Alaska	French Line	May 31	June 2	1	849
Suriname	United Fruit Co	June 1	June 1	1	383
Legazpi	Spanish Line	June 1	June 1	274	266
Nellie Moulton	Surgeon Brothers	June 1	June 1	(2)	40
Orduna	Pacific Steam Navigation Co	June 1	June 2	16	16
London Importer	Furness, Withy & Co	June 1	June 2	(2)	299
Rugia	Hamburg-American Line	June 1	June 2	179	111
Fella	Nav. Libera-Triestina	June 1	June 2	465	(1)
Sixaola	United Fruit Co	June 1	June 2	554	54
Saramacca	United Fruit Co	June 1	June 2	1,100	89
Perou	French Line	June 1	June 3	260	268
Notre Dame de Fourviere	French Line	June 1	June 4	103	511
Tivives	United Fruit Co	June 2	June 2	(3)	315
Venezuela	Royal Netherlands S. S. Co	June 2	June 2	1	1
Virginia	Standard Fruit S. S. Co	June 2	June 2	188	8½
Alvarado	Pacific Steam Navigation Co	June 2	June 2	414	16
Daghestan	Anglo-Saxon Petroleum Co	June 3	June 4	842	(1)
Virginia	Standard Fruit S. S. Co	June 3	June 4	1	507
Eendijk	Holland-American Line	June 3	June 4	462	327
Actor	Harrison Line	June 3	.....	578	.....
Urubamba	Peruvian Line	June 3	.....	1,650¼	.....
Venezuela	Royal Netherlands S. S. Co	June 4	June 4	1	636
Loriga	Pacific Steam Navigation Co	June 4	June 4	(2)	87
Salvador	Pacific Steam Navigation Co	.....	June 4	.....	1,042
Pastores	United Fruit Co	June 5	June 5	25	59½
Macabi	United Fruit Co	June 5	June 5	260½	144
Parismina	United Fruit Co	June 5	June 6	336	44½
Santa Cecelia	Grace Line	June 5	June 6	71	(1)
Patrick Henry	American-Pioneer Line	.....	June 7	.....	1,204

[1] No cargo laded. [2] No cargo discharged. [3] 5 packages.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Two Weeks Ending June 11, 1927.—Cont'd.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Negada	Kosmos Line	June 5	June 7	76	87
Santa Teresa	Grace Line	June 6	June 6	3¼	2
Linda S.	Surgeon Brothers	June 6	June 6	(2)	55½
Acajutla	Pacific Steam Navigation Co	June 6		662	
Alda	North German Lloyd Line	June 6	June 7	76	111
Ulua	United Fruit Co	June 6	June 8	368	28
Canadian Conqueror	Canadian Gov. Mer. Marine	June 7	June 7	89	(1)
City of Panama	Panama Mail S. S. Co	June 7		714	
Hudson	French Line	June 7	June 8	225	(1)
Padilla	Colombian Line	June 7	June 8	(2)	(1)
H. J. Lawrence	Linea Amer. de Colombia		June 9		100
Borga	Peter Olsen Line	June 8	June 8	(2)	466
Saramacca	United Fruit Co	June 8	June 8	302	526
Scania	Colombian Transport Co	June 8		767	
San Fernando	Anglo-Mexican Petroleum Co	June 8	June 11	16,583	(1)
Oroya	Pacific Steam Navigation Co	June 8	June 9	31	459
Ballena	Pacific Steam Navigation Co	June 8	June 9	25	(1)
Carrillo	United Fruit Co	June 8	June 9	98	575
Copperame	United Fruit Co	June 8	June 9	1,066	67
Favorita	Standard Fruit S. S. Co	June 9	June 9	100	7
Cristobal	Panama Railroad S. S. Line	June 9		5,677	
Sixaola	United Fruit Co	June 9	June 9	(2)	174
F. Q. Barstow	Standard Oil Co	June 9		11,381	
Urubamba	Peruvian Line	June 9	June 10	(2)	565
Venezuela	Panama Mail S. S. Co	June 10	June 11	795	152
Favorita	Standard Fruit S. S. Co	June 11	June 11	(2)	386
San Jose	United Fruit Co	June 11	June 11	71	398
Heredia	United Fruit Co	June 11		477	
Miracle	N. O. & S. A. S. S. Line	June 11		110	
Heffron	Norton, Lilly & Co	June 11	June 11	1	(1)
George Washington	Norway-Pacific Line	June 11		258	
Arana	Pacific Steam Navigation Co	June 11		447	
Atrato	Colombian Transport Co		June 11		150

1 No cargo laded. 2 No cargo discharged. 3 4 cases.

Traffic by Nationality for May, 1927.

The following tabulations show the commercial traffic through the Canal during the month of May, 1927, classified according to nationality of vessels, by direction of transit, and the combined traffic in both directions, together with corresponding totals for May, 1926 and 1925:

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered. Gross.	Tonnage. Registered. Net.	Tolls.	Tons of cargo.
British	60	239,687	320,871	393,382	242,136	$278,641.29	229,033
Colombian	7	1,982	2,355	3,295	1,989	2,458.70	3,066
Costa Rican	1	69	69	123	72	51.75	
Danish	2	7,361	9,383	11,822	7,443	9,201.25	11,610
Danzig	1	5,268	6,127	8,939	5,007	4,411.44	
Dutch	6	30,413	39,275	46,237	28,411	38,016.25	21,867
French	5	19,562	25,542	31,781	19,752	24,452.50	18,109
German	9	21,656	30,280	35,338	21,783	26,962.50	32,546
Italian	3	8,656	11,019	14,764	8,653	10,820.00	8,133
Japanese	4	15,899	18,560	22,632	15,295	19,873.75	24,594
Norwegian	10	27,400	38,192	44,968	27,302	39,970.02	28,741
Panamanian	3	1,536	2,775	3,901	2,753	1,851.68	2,338
Peruvian	3	3,461	6,339	8,765	4,197	4,307.30	1,902
Siamese	1	2,459	2,827	4,349	2,565	3,073.75	196
Swedish	4	9,804	14,428	25,430	11,979	10,086.[illegible]	12,748
United States	133	537,250	677,750	863,170	536,395	570,850.85	354,266
Venezuelan	2	5,424	7,484	8,742	5,396	6,780.00	9,792
Collected on supplemental bill						540.00	
Totals, May, 1927	254	937,887	1,213,276	1,527,638	941,123	1,043,949.52	758,941
Totals, May, 1926	248	901,543	1,156,783	1,478,327	909,986	1,000,380.33	749,376
Totals, May, 1925	214	815,730	1,034,001	1,321,443	822,458	905,256.77	674,258

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered. Gross.	Tonnage. Registered. Net.	Tolls.	Tons of cargo.
Belgian	1	6,279	6,362	8,247	5,978	$7,634.40	10,000
British	49	191,979	241,718	313,173	194,779	239,411.11	321,246
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	8,016
Colombian	5	520	542	822	505	632.40	735
Danish	1	5,188	5,663	6,913	5,218	6,485.00	10,084
Danzig	2	10,515	12,190	17,871	10,009	13,143.75	22,328
Dutch	6	25,676	33,947	41,340	25,249	32,095.00	47,466
French	4	14,486	18,013	22,985	13,661	18,107.50	31,401
German	9	34,305	50,341	62,908	36,210	42,881.25	50,615
Italian	2	8,784	10,196	13,218	7,938	10,980.00	11,506
Japanese	5	21,567	25,944	32,025	21,285	26,802.65	37,755
Norwegian	9	23,384	26,777	35,403	23,076	29,227.02	39,194
Panaman	4	3,336	4,419	5,466	3,319	4,139.50	7,991
Peruvian	3	4,051	7,431	9,897	5,021	5,063.75	4,579
Swedish	5	14,041	19,731	41,848	17,088	17,551.25	55,412
United States	110	448,909	563,258	723,749	448,685	559,070.38	954,144
Yugoslav	1	3,602	4,379	5,589	3,591	4,502.50	8,300
Collected on supplemental bill	.....	.....	.....	.....	.....	3.75	.....
Totals, May, 1927	217	820,134	1,035,616	1,348,764	825,588	1,022,121.21	1,620,772
Totals, May, 1926	222	849,394	1,086,320	1,398,031	854,297	1,056,585.22	1,667,325
Totals, May, 1925	158	642,737	813,681	1,048,774	648,317	800,335.43	1,148,784

COMBINED TRAFFIC.

Nationality.	No. of vessels.	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered. Gross.	Tonnage. Registered. Net.	Tolls.	Tons of cargo.
Belgian	1	6,279	6,362	8,247	5,978	$7,634.40	10,000
British	109	431,666	562,589	706,555	436,915	518,052.40	550,279
Chilean	1	3,512	4,705	7,310	3,976	4,390.00	8,016
Colombian	12	2,502	2,897	4,117	2,494	3,091.10	3,801
Costa Rican	1	69	69	123	72	51.75	.....
Danish	3	12,549	15,046	18,735	12,661	15,686.25	21,694
Danzig	3	15,783	18,317	26,810	15,016	17,555.19	22,328
Dutch	12	56,089	73,222	87,577	53,660	70,111.25	69,333
French	9	34,048	43,555	54,766	33,413	42,560.00	49,510
German	18	55,961	80,621	98,246	57,993	69,843.75	83,161
Italian	5	17,440	21,215	27,982	16,591	21,800.00	19,639
Japanese	9	37,466	44,504	54,657	36,580	46,676.40	62,349
Norwegian	19	50,784	64,969	80,371	50,378	60,197.04	67,935
Panaman	7	4,872	7,194	9,367	6,072	5,991.18	10,329
Peruvian	6	7,512	13,770	18,662	9,218	9,371.05	6,481
Spanish	1	2,459	2,827	4,349	2,565	3,073.75	196
Swedish	9	23,845	34,159	67,278	29,067	28,237.74	68,160
United States	243	986,159	1,241,008	1,586,919	985,080	1,129,921.23	1,308,410
Yugoslav	3	9,026	11,863	14,331	8,987	11,282.50	18,092
Collected on supplemental bills	.....	.....	.....	.....	.....	543.75	.....
Totals, May, 1927	471	1,758,021	2,248,892	2,876,402	1,766,716	2,066,070.73	2,379,713
Totals, May, 1926	470	1,750,937	2,243,103	2,876,283	1,754,283	2,056,965.55	2,416,701
Totals, May, 1925	372	1,458,467	1,847,682	2,370,217	1,470,775	1,705,592.20	1,823,042

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines, and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.15 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $9.00 per ton of 2,240 pounds at Cristobal, and $12.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $9.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $10.00 per ton at Cristobal, $13.00 at Balboa. If less than 50 tons is taken from lighters, prices are $12.00 per ton at Cristobal and $15.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $10.00 Cristobal and $13.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Sale of Barge.

The Panama Canal offers for sale to the highest bidder a steel barge, P. R. R. No. 13, with various items of equipment. Sealed bids will be received at the office of the Chief Quartermaster, The Panama Canal, Balboa Heights, Canal Zone, up to 10.30 o'clock a. m., June 20, 1927. Forms of proposals with full particulars may be had upon application to the above-mentioned office.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Transit and Harbor Regulations of The Panama Canal," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometric comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

MOVEMENTS OF OCEAN VESSELS.—Continued from page 588.

PORT OF CRISTOBAL.—continued.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
June 11	Ariguani	Elders & Fyffes, Ltd	Port Limon, Costa Rica.	June 11	Ariguani	Elders & Fyffes, Ltd	Kingston, Jamaica.
June 11	Favorita	Standard Fruit S. S. Co	San Plas coast, R. P.	June 11	San Jose	United Fruit Co	New York.
June 11	Heredia	United Fruit Co	New Orleans via Habana	June 11	Favorita	Standard Fruit S. S. Co	New Orleans, La.
June 11	Rochester [16]	U. S. Navy	Hampton Roads, Va.	June 11	No. 314 [17]	U. S. Navy	Nicaragua.
June 9	No. 314 [17]	U. S. Navy	Hampton Roads, Va.	June 11	No. 322 [17]	U. S. Navy	Nicaragua.
June 9	No. 322 [17]	U. S. Navy	Hampton Roads, Va.	June 11	No. 324 [17]	U. S. Navy	Nicaragua.
June 9	No. 324 [17]	U. S. Navy	Hampton Roads, Va.				
June 10	El Panamiaco	Panaman Government	Colon, R. P.				
June 6	Linda S [18]	Surgeon Brothers	Colon, R. P.				

[16] Cruiser. [17] Destroyer. [18] Motor schooner.

* Other than ships passing through the Canal.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., June 22, 1927. No. 46.

Canal Traffic During First Fifteen Days of June.

During the first 15 days of June, 1927, 239 commercial vessels and 9 small nonseagoing launches transited the Canal. Tolls on the commercial vessels aggregated $1,038,227.05, and on the launches $74.78, or a total tolls collection of $1,038,301.83.

The daily average of transits of commercial vessels was 15.93, and the daily average tolls collection, $69,215.13. The average amount of tolls paid by each of the commercial transits was $4,344.05, as compared with $4,275.15 for the first 15 days of May.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 11½ months of the current fiscal year, which will end June 30, 1927, with the daily average of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
July	456	$1,980,719.67	14.71	$63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,939,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
January, 1927	443	1,984.760.71	14.29	64,024.54
February	449	1,994,860.82	16.03	71,245.03
March	496	2,217,913.20	16.00	71,545.59
April	464	2,065,206.92	15.46	68,840.23
May	471	2,066,070.73	15.19	66,647.44
June (first 15 days)	239	1,038,227.05	15.93	69,215.13
Total	5,259	23,296,679.19	15.02	66,561.94

Slide Movements.

A portion of the west bank of Gaillard Cut near Culebra loosened on June 17, and about 10,000 cubic yards of earth and rock slid toward the Canal. Further movement occurred on June 20, and as the result of both about 20,000 cubic yards of material have slipped into the Canal. The 15-yard dipper dredge *Gamboa* has been set at removing the material from the channel.

Cucaracha slide, on the other bank of the Cut and directly south of Gold Hill, started to move in the night of June 19. The entire area of the slide, about 45 acres, was involved. The slide was still moving during the morning of June 22, at the rate of about ½ foot per hour. About 90,000 cubic yards, mostly rock, have moved into the safety basin at the foot of the slide, with only 8,000 cubic yards reaching the Canal channel.

These slides will not cause any interference with navigation.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, June 18, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Omaha [3]	11	6.10	12	5 55	12	13 22	17	8 20	American	U. S. Navy	550.0	55.0	.....	Hampton R'ds, Va.	Los Angeles, Calif.	.....	.....	.....	.....
Pennsylvania [3]	11	6.00	12	5 55	12	14.43	17	11.12	American	U. S. Navy	600.0	97.0	.....	Hampton R'ds, Va.	Los Angeles, Calif.	.....	.....	.....	.....
Arizona [3]	11	7.00	12	7.05	12	16.13	17	8.46	American	U. S. Navy	600.0	97.0	.....	Hampton R'ds, Va.	Los Angeles, Calif.	.....	.....	.....	.....
Acajutla	6	16 50	12	7 30	12	15 31	12	16.45	British	Pacific Steam Nav. Co.	215.7	33.5	17.5	Cristobal, C. Z	Champerico, Guat.	General	1,146	1,273	706
Cleveland [2]	8	17.35	12	7.35	14	20 28	15	12.06	American	U. S. Navy	292.0	44.0	.....	High seas	Corinto, Nicaragua	.....	.....	.....	.....
Idaho [2]	11	57 00	12	8 20	12	17.12	17	8.46	American	U. S. Navy	600.0	97.0	.....	Hampton R'ds, Va.	Los Angeles, Calif.	.....	.....	.....	.....
F. Q. Barstow [1]	9	15 35	12	8.35	12	17.17	12	19 37	American	Standard Oil Co.	500.0	68.0	18.0	Cristobal, C. Z	Los Angeles, Calif.	Ballast	.....	10,530	7,604
Mississippi [3]	11	7.00	12	9 55	12	18.21	17	8.46	American	U. S. Navy	600 0	97.0	.....	Hampton R'ds, Va.	Los Angeles, Calif.	.....	.....	.....	.....
Tisnaren [1]	11	16.00	12	10 05	12	18.07	13	2 36	Swedish	Transatlantic S. S. Co.	436.8	56.0	25.0	New York, N. Y.	Sydney, Australia	General, oil	7,850	7,601	5,346
Neches [1]	5	18.03	12	10.05	12	18.55	14	21.15	American	U. S. Navy	477.0	55.0	.....	Cristobal, C. Z	Balboa, C. Z	Ballast	.....	.....	.....
Emma H. Coppage [4]	12	2.20	12	11.30	12	19.18	12	20.36	American	California Pet. Corp.	425.8	57.0	19.0	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	7,218	5,184
W. L. Steed [1]	12	6.00	12	12.00	12	19.57	12	22.02	American	Huasteca Petroleum Co.	416.8	56.1	21.0	Baltimore, Md.	San Francisco, Cal.	Ballast	.....	6,751	4,795
Invergoil [1]	12	7.45	12	12 45	12	20 22	12	21.57	British	Andrew Weir & Co.	412.6	55.8	20.3	Southampton, Eng.	Los Angeles, Calif	Ballast	.....	7,099	4,450
Bridgepool	12	8 25	12	12 58	12	21.20	12	22.43	British	Flood Brothers	390.0	55.6	23.6	Antwerp, Belgium	San Francisco, Cal.	General	6,600	5,889	4,274
Oakbank [4]	12	8 35	12	13.55	12	21.27	13	5.00	British	Andrew Weir & Co.	419.6	53 9	24.0	Philadelphia, Pa.	Chemulpo, China	General	6,675	7,098	5,017
George Washington [4]	11	17.07	12	14.05	12	22.25	13	15.50	Norwegian	Norway-Pacific Line	425.5	55.3	22.7	Oslo, Norway	Vancouver, B. C.	General	5,000	7,505	5,627
West Virginia [3]	11	6.00	13	5 50	13	14.24	17	8.46	American	U. S. Navy	600.0	97.0	.....	Hampton R'ds, Va.	Los Angeles, Calif	.....	.....	.....	.....
Mineola	11	21 08	13	6.15	13	14.16	13	15 30	American	N. O. & S. A. S. S. Line	298.6	40.0	19.8	New Orleans, La.	Talcahuano, Chile	General	2,452	2,835	1,805
Maryland [3]	11	6.00	13	7.05	13	15 24	17	8 46	American	U. S. Navy	600.0	97.0	.....	Hampton R'ds, Va.	Los Angeles, Calif.	.....	.....	.....	.....
Ohioan	12	9 25	13	7 28	13	15 30	13	16 50	American	Amer.-Hawaiian Line	407.7	53.7	24.0	New York, N. Y.	Tacoma, Wash.	General	4,987	7,103	4,955
Solana [1]	12	10 08	13	8.35	13	16.20	13	17 45	American	Tidewater Oil Co.	419.5	56 5	19.0	New York, N. Y.	San Francisco, Cal.	Ballast	.....	7,060	5,025
Gyokoh Maru	12	17 30	13	8.45	13	16.34	13	18 20	Japanese	Yamashita S. S. Co.	405.0	52.1	22.0	Savannah, Ga.	Osaka, Japan	Cotton, phos'ate	6,039	6,010	4,469
Dillwyn [1]	12	23 30	13	9.30	13	17.15	13	18.20	American	Standard Oil Co	435.0	56.0	19.0	New York, N. Y.	Los Angeles, Calif	Ballast	.....	7,441	5,099
Leikanger	13	3 00	13	10 15	13	17.31	13	22 28	Norwegian	General Steam Corp.	375.3	52 3	21.3	Buenos Aires, Arg.	Los Angeles, Calif	General	5,368	5,953	4,354
Epoca [4]	13	7 30	13	10 27	13	18.14	14	1.48	Norwegian	Ricardo Holquin	213.9	35.2	12.3	Cispata, Colombia	Buenaventura, Col.	Cattle	140	1,218	742
Cedar Branch	13	7 00	13	11.15	13	18.45	13	20 20	British	F. & W. Ritson	390.0	51.0	18.4	Liverpool, England	Coronel, Chile	General	3,228½	4,927	3,597
Matheran	13	8 40	13	11 50	13	19.05	13	20.48	British	Funch Edye & Co.	470.3	58.2	23.7	New York, N. Y.	Fremantle, Aust'lia	General, gasoline	4,500	8,250	5,656
Narenta	12	18.55	13	13.07	13	19.31	13	20.48	British	Royal Mail S. P. Co.	450.0	58.0	19.7	Rotterdam, Holland	Vancouver, B. C.	General	2,461	8,856	6,559
East Wind [5]	.....	.....	13	.....	13	.....	.....	.....	American	L. Schmidt	.....	.....	.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....	4	4
Brazil Maru	12	5 50	14	6 20	14	14.01	14	15.30	Japanese	Kokusai Kisen Kaisha	385.0	51.0	27.0	Baltimore Md.	Darien, China	General	7,192	5,915	4,423
Texas Maru	12	6 25	14	6.00	14	14.52	14	16.30	Japanese	Kokusai Kisen Kaisha	425.0	53.8	16.0	Norfolk, Va.	Caleta Colosa, Chile	Ballast	.....	6,899	5,139
Craster Hall	13	13 05	14	7 15	14	16.36	15	15.00	American	Isthmian S. S. Lines	380.0	50.0	23.5	Philadelphia, Pa.	Valparaiso, Chile	Steel, machinery	5,388	4,945	3,508
Marore	13	17 08	14	7 30	14	15.40	14	22.45	American	Ore S. S. Corp	550.3	72.2	22.0	Baltimore, Md.	Cruz Grande, Chile	Ballast	.....	15,551	4,297
Langley [6]	14	5.25	14	8 25	14	17.21	17	8 46	American	U. S. Navy	520.0	65.0	.....	Hampton R'ds, Va.	Los Angeles, Calif	.....	.....	.....	.....
Grand [4]	13	18 35	15	8.40	14	18.16	15	00 45	Norwegian	Gunner Knudsen	380.5	54.7	24.6	Galveston, Texas	Auckland, N. Z.	Sulphur	8,500	6,864	5,131
Robin Hood	13	19.15	14	9.35	14	17.58	14	19 15	American	Isthmian S. S. Lines	429.0	55.0	28.3	New York, N. Y.	Tacoma, Wash.	General	9,443	7,473	5,533
Willsolo	13	20.10	14	9 50	14	18.59	14	20 09	American	Williams S. S. Line	435.0	57.6	18.0	Norfolk, Va.	Seattle, Wash.	General	4,000	7,983	5,882

[1] Tanker. [2] Cruiser. [3] Battleship. [4] Motor ship. [5] Launch. [6] Airplane carrier.

San Roberto [1]	13	21.48	14	11.00	14	19.50	14	21.15	British	Anglo-Mexican Pet. Co.	420.6	52.4	19.0	North Shields, Eng.	Los Angeles, Calif.	Ballast		6,239	4,350
Grace Dollar	13	22.45	14	11.15	14	21.16	14	22.45	American	Dollar Line	436.4	52.0	17.6	Baltimore, Md.	San Francisco, Cal.	General	1,911	7,436	5,396
Sucarseco	14	8.20	14	12.05	14	22.10	14	23.39	American	Transmarine Lines	324.0	46.2	21.0	Newark, N. J.	Los Angeles, Calif.	General	2,500	3,984	2,628
Trafalgar	14	12.35	14	13.15	14	22.18	14	23.45	British	Wessel, Duval & Co.	386.0	52.0	16.0	Newport News, Va.	Iquique, Chile	Ballast		5,174	3,657
American Star	14	13.32	14	13.55	14	22.58	15	3.33	American	Amer.-Hawaiian Line	386.8	52.2	22.0	Baltimore, Md.	Seattle, Wash.	General	3,517	5,699	4,148
Nevada [7]	11	6.00	15	5.55	15	15.27	15	17.45	American	U. S. Navy	575.0	95.0	.....	Hampton R'ds, Va.	Los Angeles, Calif.	.....	.....	.....	.....
Colombia	13	22.58	15	6.05	15	13.15	15	20.44	American	Panama Mail S. S. Co.	380.0	47.0	23.6	New York, N. Y.	San Francisco, Cal.	General	2,430	6,015	4,281
Oklahoma [7]	11	6.00	15	7.25	15	15.44	15	17.45	American	U. S. Navy	575.0	95.0	.....	Hampton R'ds, Va	Los Angeles, Calif.	.....	.....	.....	.....
SanMacedonio [1]	14	22.40	15	7.45	15	16.11	15	22.35	British	Anglo-Mex. Pet. Co.	407.2	52.3	26.0	Tampico, Mexico	Valparaiso, Chile	([10])	7,561	6,192	4,347
Montevideo Maru [8]	14	9.45	15	8.40	15	16.46	15	17.45	Japanese	Osaka Shosen Kaisha	430.0	56.0	21.11	Buenos Aires, Arg.	Kobe, Japan	Cotton, general	2,670	7,875	5,821
S. C. T. Dodd [1]	14	16.47	15	9.45	15	17.29	15	21.43	American	Standard Oil Co.	425.0	57.2	19.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,481	4,975
Cerigo	14	5.45	15	10.48	15	19.24	15	21.00	German	Hamburg-AmericanLine	227.2	34.4	15.3	Bremen, Germany	Buenaventura, Col.	General	879	1,572	1,011
Sujerseyco	14	16.55	15	11.00	15	19.28	15	21.00	American	Transmarine Lines	324.0	46.2	19.0	Houston, Texas	Tacoma, Wash.	General	2,729	3,984	2,628
Andrea F. Luckenbach	15	12.48	15	13.30	15	21.04	16	00.52	American	Luckenbach Line	496.0	68.0	24.6	Boston, Mass.	Tacoma, Wash.	General	9,031	11,487	8,762
Dos Hermanos [9]	14	19.10	15	.....	15	16.53	15	17.05	Panaman	Isth. Land & Fruit Co.	35.0	12.0	.....	Cristobal, C. Z.	Panama, R. P.	Ballast		17	13
Santa Luisa	15	20.10	16	6.05	16	13.16	16	17.55	American	Grace Line	360.2	51.6	23.3	New York, N. Y.	Talcahuano, Chile	General	2,056	5,710	3,998
El Buaro [8] [1]	15	12.33	16	6.05	16	13.16	16	15.00	Ecuadorian	Anglo-Ecuad. Oil Fields	116.5	23.1	9.0	Southampton, Eng.	Guayaquil, Ecuador	Ballast		264	143
Hauturu [8]	15	15.17	16	6.05	16	13.16	19	8.39	British	Northern S. S. Co.	133.1	27.5	6.4	Glasgow, England	Auckland, N. Z.	Ballast		288	165
Betterton [1]	15	14.05	16	6.20	16	14.02	16	15.15	American	Associated Oil Co.	431.0	59.2	20.0	Fall River, Mass.	Los Angeles, Calif.	Ballast		7,863	5,104
Helen Olmstead [1]	15	17.25	16	7.10	16	14.35	16	16.15	American	California Pet. Corp.	425.8	57.0	20.0	Boston, Mass.	Los Angeles, Calif.	Ballast		7,484	5,216
Baldhill [1]	15	19.40	16	7.30	16	15.01	16	19.35	American	McAllister Bros. (S. B.)	416.9	56.2	20.7	Norfolk, Va.	Los Angeles, Calif.	Ballast		6,728	4,690
City of Johannesburg	15	20.28	16	8.25	16	16.04	16	17.55	British	Norton, Lilly & Co.	417.2	54.0	26.1	Baltimore, Md.	Yokohama, Japan	General	6,356	7,434	5,587
Calliope [8] [1]	16	1.45	16	9.40	16	17.03	16	20.49	Danzig	Baltic-Amer. Pet. Co.	470.4	63.2	18.10	Hamburg, Germany	Los Angeles, Calif.	Ballast		9,001	5,927
Valacia	16	5.55	16	11.15	16	18.24	16	19.35	British	Cunard Line	460.0	57.0	20.0	Liverpool, England	Puget Sound, Wash.	Ballast		8,460	6,425
Greylock	16	11.30	16	12.22	16	20.24	16	22.00	American	Isthmian S. S. Lines	430.7	54.3	29.0	Newport News, Va.	San Francisco, Cal.	Steel, general	9,460	7,946	5,698
Marsodak	15	9.03	16	13.22	16	22.45	16	24.00	American	Texas Sulphur Co.	324.0	46.2	23.3	Galveston, Texas	Puget Sound, Wash.	Sulphur, coal	4,373	3,984	2,628
Rochester [11]	11	16.10	17	6.00	17	13.46	.....	.....	American	U. S. Navy	380.6	64.10	.....	Hampton R'ds, Va.	Balboa, C. Z.	Ballast			
Venezuela	15	8.55	17	6.00	17	14.33	17	17.15	Italian	Navigazione Generale Italiana.	420.0	51.6	24.10	Genoa, Italy	Valparaiso, Chile	General	695	7,622	5,051
President Polk	17	4.55	17	7.22	17	15.10	18	00.22	American	Dollar Line	502.1	62.2	24.0	New York, N. Y.	San Francisco, Cal.	General	2,997	12,660	9,254
Alkmaar	14	6.10	17	7.23	17	16.11	17	17.25	Dutch	Royal Neth. S. S. Co.	466.0	63.0	21.0	Hamburg, Germany	Corral, Chile	General	4,045	9,505	6,644
Minnesotan	16	20.35	17	8.40	17	15.42	17	17.15	American	Amer.-Hawaiian Line	407.7	53.7	22.6	New York, N. Y.	Portland, Oreg.	General	5,037	7,150	5,024
Canadolite [8] [1]	16	21.25	17	9.45	17	16.59	17	22.55	British	Imperial Oil Co., Ltd.	510.9	68.2	23.0	Montreal, Canada	Talara, Peru	Ballast		11,556	7,658
Edgar F. Luckenbach	16	22.25	17	10.50	17	18.00	17	19.15	American	Luckenbach Line	425.0	57.3	28.0	New Orleans, La.	Seattle, Wash.	General	8,501	8,568	6,648
Skramstad [8]	16	23.35	17	11.55	17	19.10	17	20.56	Norwegian	Fern Line	381.6	53.3	25.0	New Orleans, La.	Kobe, Japan	([13])	6,926	6,082	4,236
Scania [8]	8	18.00	17	13.20	17	20.18	17	22.04	Swedish	Colombian Transp. Co.	180.7	29.9	10.9	Cristobal, C. Z.	Buenaventura, Col.	General	300	720	421
Inkula	17	10.45	18	6.25	18	14.10	18	15.50	British	Andrew Weir & Co.	400.0	52.0	29.4	Port Arthur, Tex.	Sydney, Australia	General	6,547	6,663	4,799
Amasis	17	12.35	18	7.18	18	14.56	19	14.45	German	Hamburg-AmericanLine	438.0	55.0	24.0	Hamburg, Germany	San Antonio, Chile	General	6,283	7,286	5,174
Firmore	18	8.12	18	8.20	18	15.48	18	21.42	American	Ore S. S. Corp.	449.1	57.2	17.6	Baltimore, Md.	Cruz Grande, Chile	Ballast		7,847	5,185
El Panquiaco [12]	.....	.....	18	9.35	.....	.....	.....	.....	Panaman	Panaman Government	125.6	23.5	.....	Colon, R. P.	Gatun, C. Z.	Ballast			
Chiman [8]	17	16.55	18	9.35	18	17.13	21	3.40	Panaman	Isth. Land & Fruit Co.	116.0	21.0	6.0	Cristobal, C. Z.	Buenaventura, Col.	Ballast		211	124
Ucayali	13	17.42	18	12.12	18	19.04	18	20.38	Peruvian	Peruvian Line	374.7	46.3	18.6	Cristobal, C. Z.	Buenaventura, Col.	General	380	4,466	2,405

[1] Tanker. [7] Battleship. [8] Motor ship. [9] Motor schooner. [10] Kerosene, gasoline, and lubricating oil. [11] Cruiser. [12] Transport. [13] Cotton, phosphate rock, and hardwood.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Broad Arrow [1]	11	15.45	12	6.10	12	18.15	12	18.15	American	Standard Oil Co.	467.6	62.7	27.6	Los Angeles, Calif.	Baltimore, Md.	Gasoline	11,503	9,700	6,842
Mericos H. Whittier [1]	11	23.00	12	7.00	12	18.45	12	18.45	American	Associated Oil Co.	435.0	56.2	27.6	Los Angeles, Calif.	Bayonne, N. J.	Crude oil	7,500	7,426	5,156
Challenger [14]	11	23.00	12	7.30	12	19.20	12	19.20	American	Isthmian S. S. Lines	410.0	56.0	27.0	Everett, Wash.	Baltimore, Md.	Lumber	7,515	7,780	5,811
Tuscaloosa City	12	2.30	12	7.50	12	20.15	13	6.50	American	Isthmian S. S. Lines	441.0	56.0	25.5	Portland, Oreg.	London, England	General	8,262	7,611	5,450
Buenaventura	12	7.20	12	8.25	12	20.45	14	13.15	American	Panama R. R. S. S. Line	251.0	43.0	18.7	Guayaquil, Ecuador	New York, N. Y.	General	1,557	2,873	1,776
Scottsburg	12	7.30	12	9.05	12	20.55	12	20.55	American	American-Pioneer Line	419.0	56.0	30.0	Pulupandan, P. I.	New York, N. Y.	Sugar	10,237	8,696	6,316
Tustem [1]	12	9.15	12	11.05	12	21.30	12	22.45	American	Atlantic Refining Co.	425.0	57.0	29.3	Los Angeles, Calif.	Matanzas, Cuba	Fuel oil	10,600	7,204	4,768
Canadian Spinner	12	20.00	13	6.12	13	14.45	13	17.45	British	Can. Mer. Mer. Marine	400.0	52.4	24.10	Vancouver, B. C.	Montreal, Canada	Lumber, general	5,935	5,871	4,094
Willpolo	13	6.20	13	7.10	13	16.10	13	16.10	American	Williams S. S. Line	386.6	52.2	24.0	Everett, Wash.	New York, N. Y.	Lumber	6,391	5,680	4,080
Ucayali	13	6.45	13	9.01	13	17.42	18	12.12	Peruvian	Peruvian Line	374.7	40.3	17.8	Buenaventura, Col.	Cristobal, C. Z.	General	143	4,466	2,405
Breckenridge [13]	.....	.....	13	.....	13	.....	.....	.....	American	U. S. Army	.....	.....	.....	Balboa, C. Z.	Miraflores, C. Z.	.....	.....	.....	.....
Toba Maru	13	7.15	14	6.31	15	15.40	14	21.45	Japanese	Nippon Yusen Kaisha	445.0	58.0	26.6	Manila, P. I.	New York, N. Y.	([19])	9,380	8,058	5,743
Jane Christensen	13	16.20	14	7.18	14	17.05	14	17.05	American	Arrow Line	409.5	54.2	24.6	Aberdeen, Wash.	New York, N. Y.	Lumber	6,215	6,615	4,966
Moerdijk	14	2.00	14	8.13	14	18.20	15	1.15	Dutch	Holland-American Line	487.0	61.0	25.6	Vancouver, B. C.	Antwerp, Belgium	Grain, general	9,246	9,165	7,056
Sirius [16]	12	10.45	14	9.17	14	18.50	16	9.00	American	U. S. Navy	401.0	54.0	19.0	Bremerton, Wash.	Boston, Mass.	Navy account	2,914	.....	.....
Charles H. Cramp	14	9.44	14	11.06	14	18.50	14	18.50	American	Argonaut S. S. Co.	404.6	53.9	28.0	Seattle, Wash.	Baltimore, Md.	Lumber, ore, gen	7,555	6,755	4,750
Dos Hermanos [17]	14	10.00	14	10.21	14	19.10	15	.....	Panaman	Isth. Land & Fruit Co.	49.0	12.0	.....	El Real, R. P.	Cristobal, C. Z.	Bananas	.....	17	13
Northwestern Miller	14	11.30	14	12.20	14	19.56	14	23.45	British	Furness, Withy & Co.	420.0	53.6	27.9	Vancouver, B. C.	Glasgow, Scotland	General	8,213	7,074	5,052
Hertford	14	1.38	14	13.00	14	20.05	14	20.05	British	Federal Steam Nav. Co.	520.7	64.2	23.0	Auckland, N. Z.	Liverpool, England	Frozen, general	7,118	12,933	9,314
Middlesex	14	4.30	14	13.45	14	20.50	14	20.50	British	N. Z. Shipping Co.	460.0	62.8	22.0	Dunedin, N. Z.	Liverpool, England	Frozen, general	4,521	10,663	7,689
Sumaneo	14	13.30	14	14.15	14	22.35	14	22.35	American	Transmarine Lines	324.0	46.2	22.10	Aberdeen, Wash.	New York, N. Y.	Lumber	2,795	3,984	2,628
Atlantic Sun	14	23.30	15	6.12	15	13.45	15	13.45	American	Sun Oil Co.	429.3	59.2	26.0	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	9,345	7,568	5,233
F. J. Luckenbach	14	18.24	15	6.47	15	14.50	15	18.15	American	Luckenbach Line	446.0	56.17	27.6	Portland, Oreg.	Boston, Mass.	Lumber, general	7,667	8,508	6,179
Cubore [14]	14	17.07	15	7.06	15	15.30	15	15.30	American	Ore S. S. Corp.	450.6	57.2	29.6	Cruz Grande, Chile	Baltimore, Md.	Iron ore	10,500	7,956	4,866
Axtel J. Byles [1]	15	2.30	15	7.48	15	17.55	15	17.55	American	Tidewater Oil Co.	468.3	62.7	27.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	11,862	9,776	6,903
Milwaukee [18]	15	5.50	15	7.54	15	16.55	15	21.00	American	U. S. Navy	555.0	55.0	18.0	Corinto, Nicaragua	New York, N. Y.	.....	.....	.....	.....
Mexican	14	19.00	15	8.47	15	18.35	15	18.35	American	Amer.-Hawaiian Line	472.3	57.2	24.0	Tacoma, Wash.	Boston, Mass.	General	6,980	9,258	6,874
Sudbury	11	6.45	15	9.23	16	00.30	16	1.00	American	Munson S. S. Line	384.8	51.2	26.0	Portland, Oreg.	Baltimore, Md.	Lumber	6,500	5,571	4,033
James B. Duke	15	7.10	15	9.31	15	19.55	15	19.55	American	Garland S. S. Corp.	385.0	51.2	25.10	Aberdeen, Wash.	New York, N. Y.	General	5,823	6,242	4,471
Amerikaland [14]	15	21.23	16	5.55	16	14.50	16	14.50	Swedish	Ore S. S. Corp.	561.0	72.2	33.0	Cruz Grande, Chile	Baltimore, Md.	Iron ore	21,500	15,560	4,496
Hagood [1]	15	16.03	16	7.52	16	16.30	16	17.35	American	Cities Service Trans. Co.	435.6	56.2	28.6	Los Angeles, Calif.	Philadelphia, Pa.	Crude oil	10,700	7,426	5,094

[1] Tanker. [14] Motor ship. [15] Launch. [16] Auxiliary. [17] Motor schooner. [18] Cruiser. [19] Coconut oil, bean oil, porcelain, and general.

Argun Maru...	16	2.25	16	14.20	16	21.06	16	21.05	Japanese....	Osaka Shosen Kaisha...	415.0	55.5	20.0	Shanghai, China...	New York, N. Y..	General.....	4,936	7,209	5,294
Selfridge [20] ...	.....	.....	16	.....	16	21.55	16	11.55	American...	U. S. Navy.....	310.0	31.0	.....	Gatun Lake, C. Z..	.....	.....	.....	.....	.....
Glasgow Maru.	16	6.30	17	6.19	17	14.00	17	21.40	Japanese....	Kokusai Kisen Kaisha..	385.0	51.0	26.0	Portland, Oreg....	Dublin, Ireland....	Grain.....	7,720	6,213	4,665
H. C. Folger [1]..	17	6.15	17	7.13	17	15.17	17	16.40	American...	Atlantic Refining Co...	435.0	56.0	28.0	Los Angeles, Calif.	Philadelphia, Pa...	Gasoline.....	9,193	7,461	5,159
Benreoch.....	16	19.45	17	7.58	17	17.00	17	18.25	British.....	W. Thomson & Co.....	420.1	54.0	26.6	Vancouver, B. C...	Falmouth, England	Copper, lumber.	7,700	.....	.....
Chiman [21].....	17	7.00	17	8.21	17	16.55	18	9.35	Panaman...	Isth. Land & Fruit Co.	116.0	21.0	10.0	Buenaventura, Col.	Cristobal, C. Z....	Coffee.....	242	211	124
Kekoskee [1]....	16	22.15	17	9.20	17	17.05	17	17.05	American...	Richfield Oil Co.....	391.8	51.3	27.3	Los Angeles, Calif.	New York, N. Y...	Fuel oil.....	7,253	5,550	3,867
J. R. Gordon...	17	3.00	17	10.00	17	18.15	17	18.15	American...	Union Sulphur Co.....	409.8	54.3	25.6	Olympia, Wash....	Philadelphia, Pa...	Lumber.....	6,600	6,581	4,784
Duchessa D'Aosta.....	17	7.30	17	10.49	17	19.45	18	00.45	Italian.....	Nav. Libera-Triestina..	450.0	57.4	25.0	Vancouver, B. C...	Trieste, Italy.....	General.....	8,589	8,011	5,552
Garfield.....	17	3.53	17	10.37	17	18.35	17	18.35	American...	N. O. & S. A. S. S. Co.	299.4	45.0	21.3	Callao, Peru.....	New Orleans, La...	Nitrate.....	3,683	3,256	2,010
Buffalo Bridge.	17	14.28	18	6.18	18	13.45	18	19.00	American...	Nelson S. S. Co.....	324.0	46.2	25.3	Port Angeles, Wash.	New York, N. Y...	Lumber, copper.	4,923	3,985	2,630
Standard [1].....	17	19.53	18	7.14	18	15.05	18	15.05	American...	Standard Oil Co. of N.J.	523.88	68.68	29.0	Los Angeles, Calif.	Baltimore, Md....	Crude oil.....	17,000	12,171	8,782
Bologna.....	18	2.30	18	8.15	18	15.50	20	9.05	Italian.....	Navigazione Generale Italiana.	384.91	46.71	21.7	Valparaiso, Chile..	Genoa, Italy.....	Copper, general.	2,031	5,531	3,774
Montrolite [21] [1].	18	1.30	18	9.10	18	17.00	18	17.00	British.....	Imperial Oil Co., Ltd...	510.9	68.3	31.0	Talara, Peru.....	Montreal, Canada.	Crude oil.....	16,146	11,555	7,695
Cambrai [22]....	16	15.30	18	12.15	18	18.20	18	18.20	American...	War Department.....	448.0	58.2	24.6	San Francisco, Cal.	Brooklyn, N. Y....	General.....	182	.....	.....
Oropesa.....	18	13.56	18	15.08	18	22.25	19	5.00	British.....	Pacific Steam Nav. Co.	530.0	63.3	29.0	Coronel, Chile.....	Liverpool, England	General.....	7,704	14,824	10,627

[1] Tanker [20] Destroyer. [21] Motor ship. [22] Transport. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
June 12.....	Ulua.....	United Fruit Co.....	Port Limon, Costa Rica.	June 12.....	Ulua.....	United Fruit Co.....	New York via Habana.
June 13.....	Toloa.....	United Fruit Co.....	New York via Habana.	June 13.....	Heredia.....	United Fruit Co.....	New Orleans & wayports.
June 14.....	Rugia.....	Hamburg-American Line.....	Pt. Barrios and wayports.	June 13.....	Cristobal.....	Panama Railroad S. S. Line.....	New York via Haiti.
June 14.....	Van Renselaer.....	Royal Netherlands S. S. Co.....	Amsterdam via wayports.	June 14.....	St. Mihiel [24].....	U. S. Army.....	New York via San Juan.
June 15.....	Coppename.....	United Fruit Co.....	Bocas del Toro, R. P.	June 15.....	Van Renselaer.....	Royal Netherlands S. S. Co.....	Port Limon, Costa Rica.
June 15.....	Flandre.....	French Line.....	Havre via wayports.	June 15.....	Coppename.....	United Fruit Co.....	New Orleans, La.
June 15.....	Santa Marta.....	United Fruit Co.....	New York via Kingston.	June 15.....	Rugia.....	Hamburg-American Line.....	Hamburg via wayports.
June 15.....	Suriname.....	United Fruit Co.....	New Orleans, La.	June 15.....	Toloa.....	United Fruit Co.....	Port Limon, Costa Rica.
June 16.....	Carillo.....	United Fruit Co.....	Cartagena, Colombia.	June 16.....	Inapaquina [23].....	United Fruit Co.....	Colon, R. P.
June 16.....	Virginia.....	Standard Fruit S. S. Co.....	New Orleans, La.	June 16.....	Santa Marta.....	United Fruit Co.....	Colombian ports.
June 16.....	Inapaquina [23].....	United Fruit Co.....	Colon, R. P.	June 16.....	Suriname.....	United Fruit Co.....	Port Limon via Bocas.
June 17.....	Van Renselaer.....	Royal Netherlands S. S. Co.....	Port Limon, Costa Rica.	June 16.....	Carrillo.....	United Fruit Co.....	New York via Kingston.
June 17.....	Norwegian.....	Leyland Line.....	Liverpool via wayports.	June 16.....	Virginia.....	Standard Fruit S. S. Co.....	San Blas coast, R. P.
June 18.....	Virginia.....	Standard Fruit S. S. Co.....	San Blas coast, R. P.	June 17.....	Flandre.....	French Line.....	Havre via wayports.
June 18.....	Mayari.....	United Fruit Co.....	Puerto Colombia.	June 18.....	Virginia.....	Standard Fruit S. S. Co.....	New Orleans, La.
June 18.....	Linda S [23].....	Surgeon Brothers.....	Colon, R. P.	June 18.....	Van Renselaer.....	Royal Netherlands S. S. Co.....	Amsterdam via wayports.
.....	.....	.....	.....	June 18.....	Norwegian.....	Leyland Line.....	Cienfuegos via Pt. Limon.
.....	.....	.....	.....	June 18.....	Mayari.....	United Fruit Co.....	New York via Kingston.

[23] Motor schooner. [24] Transport.

PORT OF BALBOA.

June 12.....	Ario.....	Standard Transportation Co....	Los Angeles, Calif.	June 13.....	Ario.....	Standard Transportation Co....	Los Angeles, Calif.
June 13.....	Salinas.....	U. S. Navy.....	Los Angeles, Calif.	June 14.....	Agnes E [25].....	A. Valdez.....	Panama Bay, R. P.
June 14.....	Agnes E [25].....	A. Valdez.....	Panama Bay, R. P.	June 14.....	Pathfinder [25].....	Universal Export Co.....	Panama Bay, R. P.
June 14.....	Pathfinder [25].....	Universal Export Co.....	Panama Bay, R. P.	June 14.....	Estrella [25].....	A. Valdez.....	Panama Bay, R. P.
June 14.....	Estrella [25].....	A. Valdez.....	Panama Bay, R. P.	June 15.....	Anyo Maru.....	Nippon Yusen Kaisha.....	Valparaiso, Chile.
June 15.....	Anyo Maru.....	Nippon Yusen Kaisha.....	Hongkong, China.	June 16.....	Hampton Roads.....	Oil Transport Co.....	Los Angeles, Calif.
June 15.....	Hampton Roads.....	Oil Transport Co.....	Los Angeles, Calif.	June 17.....	H. M. Storey.....	Standard Oil Co. of Calif.....	Los Angeles, Calif.
June 16.....	H. M. Storey.....	Standard Oil Co. of Calif.....	Los Angeles, Calif.	.....	.....	.....	.....

[25] Motor schooner. * Other than ships passing through the Canal.

Origin and Destination of Cargo Passing Through the Panama Canal, From the Atlantic to the Pacific, May, 1927.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.							Asia.					Australasia.				Grand totals.	Per cent of total cargo.
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America and Mexico.	West coast of North America.[2]	Balboa, C. Z.[2]	Hawaii.	Total, North America.	Japan.	China.	Philippines.	Far East.[1]	Total, Asia.	Australia.	New Zealand.	Australasia.[1]	Total, Australasia.		
North America:																								
United States—																								
North Atlantic ports	3,223	572	182	4,191	15,277	23,445	240,625	696	366	633	60	4,540	246,920	17,474	8,839	12,899	33,144	72,356	35,259	6,553	6,463	48,275	390,996	51.5
South Atlantic ports	.....	.....	.....	.....	.....	.....	4,554	.....	.....	.....	.....	.....	4,554	6,888	.....	.....	.....	6,888	.....	.....	.....	.....	11,442	1.6
Gulf ports	248	460	.....	.....	2,305	3,013	30,960	4,979	.....	.....	.....	.....	35,939	33,082	8,288	.....	5,329	46,699	13,578	.....	6,385	19,963	105,614	13.9
Totals, U. S.	3,471	1,032	182	4,191	17,582	26,458	276,139	5,675	366	633	604	4,540	287,413	57,444	17,127	12,899	38,473	125,943	48,837	6,553	12,848	68,238	508,052	67.0
Cristobal, C. Z.[2]	323	4,603	781	958	1,430	8,095	1,674	39	6,960	.....	.....	.....	8,673	.....	.....	.....	.....	.....	.....	.....	222	222	16,990	2.3
East coast, Canada	.....	.....	.....	.....	.....	.....	.....	4,500	.....	.....	.....	.....	4,500	350	.....	.....	.....	350	.....	1,163	7,754	8,917	13,767	1.8
West Indies	4	.....	.....	.....	.....	4	4,000	1,050	.....	.....	.....	.....	5,050	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,054	0.6
E. coast, Mexico and Central America:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,200	.....	.....	4,200	4,200	0.5
Totals, No. Am.	3,798	5,635	963	5,149	19,012	34,557	281,813	11,264	7,326	633	60	4,540	305,636	57,794	17,127	12,899	38,473	125,943	46,637	7,716	20,824	81,577	548,063	72.2
Europe:																								
British Isles	15,732	.....	36	631	10,491	26,890	469	5,376	.....	.....	.....	.....	5,845	.....	.....	.....	.....	.....	4,706	41,046	.....	45,752	78,487	10.3
Belgium	2,071	.....	.....	145	1,495	3,711	17,509	2,882	142	918	.....	.....	21,451	.....	.....	.....	.....	.....	.....	.....	.....	.....	25,162	3.3
France	189	.....	.....	50	1,678	1,917	6,266	465	.....	27	.....	.....	6,758	.....	.....	.....	.....	.....	.....	.....	3,255	3,255	11,930	1.6
Germany	570	195	.....	790	945	2,500	3,531	411	.....	.....	227	.....	4,169	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,669	0.9
Holland	.....	.....	.....	.....	.....	.....	1,513	35	.....	.....	.....	.....	1,548	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,548	0.2
Italy	1,504	.....	.....	175	326	2,005	447	.....	.....	.....	.....	.....	447	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,452	0.3
Norway and Sweden	3,459	3,936	.....	.....	.....	7,395	6,057	.....	.....	.....	.....	.....	6,057	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,452	1.8
Europe[1]	.....	.....	.....	.....	27,320	27,320	14,588	1,387	5,104	753	765	.....	22,597	.....	.....	.....	.....	.....	.....	.....	.....	.....	49,917	6.5
Totals, Europe	23,525	4,131	36	1,791	12,255	71,738	50,380	10,556	5,246	1,698	992	.....	68,872	.....	.....	.....	.....	.....	4,706	41,046	3,255	49,007	189,617	24.9
East coast of So. Am.	.....	49	.....	.....	.....	49	8,576	12,624	12	.....	.....	.....	21,212	.....	.....	.....	.....	.....	.....	.....	.....	.....	21,261	2.9
Grand totals	27,323	9,815	999	6,940	61,267	106,344	340,769	34,444	12,584	2,331	1,052	4,540	395,720	57,794	17,127	12,899	38,473	126,293	57,743	48,762	24,079	130,584	758,941	100.0
Per cent of toal cargo:																								
May, 1927	3.6	1.3	0.1	0.9	8.1	14.0	44.9	4.6	1.7	0.3	0.1	0.6	52.2	7.6	2.3	1.7	5.1	16.7	7.6	6.4	3.1	17.1	100.0	.....
May, 1926	4.5	0.5	.....	0.4	8.8	14.2	42.2	3.3	0.9	1.8	.....	1.4	49.6	6.0	3.3	0.5	10.0	19.8	5.7	10.7	.....	16.4	100.0	.....
May, 1925	5.2	0.3	.....	0.8	11.6	17.9	45.0	1.9	2.9	0.7	.....	1.4	51.9	3.7	0.8	0.3	8.0	12.8	4.7	7.9	4.8	17.4	100.0	.....

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, May, 1927.

(Figures represent tons of 2,240 pounds.)

From—	North America. United States. North Atlantic ports.	North America. United States. South Atlantic ports.	North America. United States. Gulf ports.	North America. United States. Total, United States.	North America. East coast of Canada	North America. West Indies.	North America. East coast of Mexico.	North America. Cristobal, C. Z.[2]	North America. Total, North America.	Europe. British Isles.	Europe. Belgium.	Europe. Denmark.	Europe. France.	Europe. Germany.	Europe. Holland.	Europe. Italy.	Europe. Norway and Sweden.	Europe. Spain and Portugal.	Europe. Europe.[1]	Europe. Total, Europe.	East coast of South America.	Egypt.	South Africa.	Grand totals.	Per cent of total cargo.
South America:																									
Chile	163,801		5,359	169,160		303		280	169,743	18,185	6,716		9,558	7,183	1,806	1,058			20,510	65,016		3,300		243,059	15.0
Colombia	1,769			1,769				3,117	4,886															4,886	0.3
Ecuador	700			700	6,179	256		1,770	8,905	166			388	129	479	10			2,053	3,225				12,130	0.7
Peru	3,494	15,620		19,114	41,349			1,322	61,785	11,426				11,100			8,783		596	31,905				93,690	5.8
W. coast, So. Am.[1]	7,582			7,582				2,560	10,142	294									5,272	5,566				15,708	1.0
Totals, So. Am.	177,346	15,620	5,359	198,325	47,528	559		9,049	255,461	30,071	6,716		9,946	18,412	2,285	1,068	8,783		28,431	105,712		3,300		369,473	22.8
North America:																									
W. coast, Canada	43,053		412	43,464	12,900	4,172	466		61,002	26,280	5,158		4,865	2,150	8,222	70	5,839		42,932	95,516	387			156,905	9.7
W. coast, Cen. Am.	332			332		24		5,593	5,949				723	20		70	1,174		2,416	4,403				10,352	0.6
W. coast, U. S.	630,683	1,833	5,720	638,236		29,949	2,188	49,067	718,440	121,397	3,664	3,430	2,827	29,347	8,201		2,321	9,020	36,883	217,090	19,757			955,287	59.0
Hawaii			40	40					40										864	864				904	
W. coast, No. Am.[1]										3,294									2,289	5,583				5,583	0.4
Totals, N. Am.	674,067	1,833	6,172	682,072	12,900	34,145	1,654	54,660	785,431	150,971	8,822	3,430	8,415	31,517	16,423	140	9,334	9,020	85,384	323,456	20,144			1,129,031	69.7
Asia:																									
China	849			849				92	941															941	
Japan	2,174			2,174					2,174															2,174	0.2
Philippines	43,444		3,421	46,865				2	46,867															46,867	2.9
Far East[1]	1,755		5,918	7,673		6,850			14,523															14,523	0.8
Totals, Asia	48,222		9,339	57,561		6,850		94	64,505															64,505	3.9
Australasia:																									
Australia	1,444			1,444	156				1,600	1,000										1,000				2,600	0.2
New Zealand	2,500			2,500	269				2,769	35,764										35,764				38,533	2.4
Australasia[1]	7,800			7,800					7,800					1,500	1,750				5,580	8,830				16,630	1.0
Totals, Australasia	11,744			11,744	425				12,169	36,764				1,500	1,750				5,580	45,594				57,763	3.6
Grand totals	911,379	17,453	20,870	949,702	60,853	41,554	1,654	63,803	1,117,566	217,806	15,538	3,430	18,361	51,429	20,458	1,208	18,117	9,020	119,395	474,762	20,144	8,300		1,620,772	100.0
Per cent, total cargo:																									
May, 1927	56.2	1.1	1.3	58.6	3.8	2.5	0.1	4.0	69.0	13.4	1.0	0.2	1.2	3.2	1.2	0.1	1.1	0.6	7.3	29.3	1.2	0.5		100.0	
May, 1926	59.9	3.3	2.4	65.6	6.7	0.6		2.6	75.5	10.9	1.6		0.6	1.2	0.3	0.1	0.9		7.8	23.4		0.3	0.8	100.0	
May, 1925	60.1	5.3	2.6	68.0	4.1	0.6		1.0	73.7	14.9	0.4		1.0	2.5	0.7		0.5		6.3	26.3				100.0	

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending June 18, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Acajutla	Pacific Steam Navigation Co		June 12		1,146
George Washington	Norway-Pacific Line		June 12		215
Lochgoil	Pacific Steam Navigation Co		June 12		308
Ulua	United Fruit Co	June 12	June 12	33	1½
Cristobal	Panama Railroad S. S. Line		June 13		2,606
Heredia	United Fruit Co		June 13		60
Mineola	N. O. & S. A. S. S. Co		June 13		466
Narento	Pacific Steam Navigation Co	June 12	June 13	150	301
Buenaventura	Panama Railroad S. S. Line	June 12	June 14	361	52
Ucayali	Peruvian Line	June 13	June 18	143	407½
Toloa	United Fruit Co	June 13	June 15	66	8
Colombia	Panama Mail S. S. Co	June 13	June 15	416	224
Toba Maru	Nippon Yusen Kaisha	June 14	June 14	162	(1)
Dos Hermanos	Isthmian Land & Fruit Co	June 14	June 15	20	(1)
Van Renselaer	Royal Netherlands S. S. Co	June 14	June 15	15	5
Moerdijk	Holland-American Line	June 14	June 15	(2)	206
Montevideo Maru	Osaka Shosen Kaisha	June 14	June 15	100	(1)
Rugia	Hamburg-American Line	June 14	June 15	30	445
Cerigo	Hamburg-American Line	June 14	June 15	(2)	46
Alkmaar	Royal Netherlands S. S. Co	June 14	June 17	579	625
Santa Luisa	Panama Mail S. S. Co	June 15	June 16	(2)	5
Coppename	United Fruit Co	June 15	June 15	5	592
Santa Marta	United Fruit Co	June 15	June 16	361	178
Marsodak	Charles Nelson & Co	June 15	June 16	443	(1)
Flandre	French Line	June 15	June 17	398	893
Suriname	United Fruit Co	June 15	June 16	731	70
Venezuela	Italian Line	June 15	June 17	165	(1)
Carrillo	United Fruit Co	June 16	June 16	(2)	340
Amazonas	Peruvian Line	June 16		8	
Virginia	Standard Fruit S. S. Co	June 16	June 16	139	5
Scania	Colombian Transport Co		June 17		323
Norwegian	Leyland Line	June 17		749	
Chiman	Isthmian Land & Fruit Co	June 17	June 18	242	(1)
Van Renselaer	Royal Netherlands S. S. Co	June 17	June 18	30	645
Amasis	Hamburg-American Line	June 17	June 18	348	5
Bologna	Italian Line	June 18		10	
Mayari	United Fruit Co	June 18	June 18	499	414
Oropesa	Pacific Steam Navigation Co	June 18	June 18	24	45¾

[1] No cargo laded. [2] No cargo discharged.

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12 cents per pound and forequarters at 9½ cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Loss of Right to Annuity for Total Disability.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., June 17, 1927.

To all concerned.—1. The following circular, issued by the Civil Service Commission on May 23, 1927, concerning loss of right to annuity for total disability under the Retirement Act, is quoted for the information and guidance of all concerned:

"The Retirement Act of July 3, 1926, contains the following provision in Section 6, Disability Retirement:

'No claim shall be allowed under the provisions of this section unless the application for retirement shall have been executed prior to the applicant's separation from the service or within six months thereafter.'

"The Act of May 22, 1920, contained no such limitation.

"This Commission knows of ailing employees who did not apply for disability annuity within six months following their separation; and there is reason to suppose that such cases will occur under the restriction of July 3, 1916. Employees resign on advice of their superiors or their physicians, in an effort to regain their health; or may be dropped for unsatisfactory service or nonattendance due to ill health; and not know, until they have lost it, that they had eligibility for disability annuity.

"Frequent changes of personnel officers, who may be no more familiar with the restriction than the employees themselves, increase this danger.

"The Commission calls attention to the matter without offering any suggestion for averting it except, possibly, by the widest practicable publicity, or by urging repeal of the restriction."

M. L. WALKER,
Governor.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., June 29, 1927. No. 47.

Slide Movements.

The slide from the west bank of Gaillard Cut near Culebra, which began June 17, resulted in a total of about 35,000 cubic yards of earth and rock being deposited in the Canal. Twenty-five thousand cubic yards of this have been removed. It is expected that the remainder will be taken out this week.

Cucaracha slide, which started to move the night of June 19, stopped its movement entirely on June 27. During the time it was in motion, a total of 115,000 cubic yards, mostly rock, slid into the Canal, 105,000 of which was caught in the safety basin, with only 10,000 reaching the channel. The channel has been cleaned, and the dredge is now working in the safety basin, having removed 43,900 cubic yards to date.

Navigation was not impeded by either slide.

Record Rains in San Blas Region of Panama.

The rainfall record for May, 1927, furnished to the Section of Surveys, by the San Blas Development Corporation from its station at Nicuesa in the San Blas area of Panama, shows an unusual amount of rain for that month and sets a new high record for rain in one day.

The daily record shows 12.42 inches at Nicuesa on May 20. The previous high amount is for October 23, 1923, when 12.25 inches was recorded at the Gatun station.

Rain fell every day, except two, during the month. The total for the month was 56.33 inches. This has been exceeded only once on the Isthmus since records have been kept; that was when 58.17 inches of rain fell at Porto Bello during December, 1909.

A comparison of the above figures with some of the records in other parts of the world is interesting. The *Literary Digest* of June 18, 1927, gives the following, taken from "Why the Weather," a science service feature (Washington):

"The world's record for a 24-hour rainfall is held by Baguio, Philippine Islands, where 46 inches of rain fell from noon, July 14, to noon, July 15, 1911. Cherrapunji, in the Khasi Hills of Assam, which has the reputation of being the wettest spot in the world, had a 41-inch rainfall July 14, 1876. At the same place, in August, 1841, 30 inches or more of rain fell on each of 5 successive days. The record 24-hour rainfall for the United States is 23.11 inches at Taylor, Texas, September 9–10, 1921. * * * At Porto Bello, November 29, 1911, an automatic rain-gauge registered the extraordinary amount of 2.47 inches in 3 minutes."

Some idea of the effect of a heavy rainfall may be drawn from the statement that in May, 1927, a local 14-inch rainfall at New Orleans, La., so flooded the city that the newspapers reported erroneously that the levees had broken.

CANAL WORK IN MAY, 1927.

The following is the report of the Governor to the Secretary of War, of Canal work in the month of May, 1927:

BALBOA HEIGHTS, C. Z., *June 21, 1927.*

The Honorable, the Secretary of War,
Washington, D. C.

SIR: I have the honor to submit the following report covering operations of The Panama Canal during the month of May, 1927:

NUMBER OF TRANSITS.

During the month 471 commercial vessels transited the Canal. In addition to these, 20 nonseagoing launches, measuring under 20 tons, and 43 vessels belonging to or chartered by the United States Government, transited the Canal. In addition to the above, there were two transits of a Panaman Government vessel, and two transits solely for repairs on which no tolls were collected, making a total of 538 transits for the month, or a daily average of 17.35.

Tolls on the 471 commercial vessels amounted to $2,066,070.73, including $543.75 collected on supplemental bills for two transits in previous months, and on the launches to $138.53, or a daily average on all traffic of $66,629.90. In this average the $543.75 of supplemental collections is not included.

The total number of craft of all kinds transiting the Canal during the month of May, as compared with the same months in 1926 and 1925, is shown in the following tabulations:

	May, 1927.	May, 1926.	May, 1925.
Commercial vessels	471	470	372
Noncommercial vessels (Army and Navy)	43	40	39
Launches (under 20 tons measurement)	20	13	13
Panaman Government vessels	2	0	2
Vessels for repairs	2	1	1
Total vessels transiting the Canal	538	524	427

In addition to the vessels listed above, Panama Canal equipment consisting of dredges, tugs, barges, etc., was passed through the locks as follows:

	North-bound.	South-bound.	Total.
Gatun	6	2	8
Pedro Miguel	32	34	66
Miraflores	32	34	66
Totals	70	70	140

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tolls, and tons of cargo carried by vessels transiting the Canal each month from the beginning of the fiscal year 1927 to the end of May, 1927, as compared with the same months in the previous year:

Month.	No. of vessels.		Panama Canal net tonnage.		Tons of cargo.		Tolls.	
	1925–6	1926–7	1925–6.	1926–7.	1925–6.	1926–7.	1925–6.	1926–7.
July	418	456	1,951,295	2,154,821	1,960,654	2,185,527	$1,800,239.84	$1,980,719.67
August	372	464	1,779,627	2,230,905	1,912,217	2,321,697	1,657,893.90	2,055,041.91
September	388	446	1,831,639	2,186,804	1,891,988	2,239,547	1,692,723.11	2,019,626.42
October	410	445	1,955,485	2,124,519	2,009,171	2,374,711	1,826,314.64	1,989,213.93
November	424	428	2,028,034	2,032,488	2,023,398	2,272,449	1,870,087.68	1,889,001.11
December	462	458	2,257,409	2,135,002	2,358,170	2,310,270	2,111,896.53	1,996,036.72
January	479	443	2,300,187	2,121,631	2,346,643	2,241,765	2,103,368.29	1,984,760.71
February	424	449	1,991,127	2,201,328	2,139,207	2,230,107	1,835,226.47	1,994,860.82
March	506	496	2,398,694	[illegible]	2,607,046	2,533,525	2,206,212.20	2,217,913.20
April	425	464	2,048,247	[illegible]	2,237,567	2,429,807	1,917,457.11	2,065,206.92
May	470	471	2,243,103	[illegible]	2,416,701	2,379,713	2,056,965.55	2,066,070.73
Totals	4,778	5,020	22,784,247	24,074,889	23,992,762	25,519,118	21,078,385.32	22,258,452.14

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States Government, including merchant vessels chartered by the Government, do not pay tolls. Shipping Board vessels in commercial service pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

The following is a summary of the commercial traffic for May, 1927, as compared with the corresponding month in 1926 and 1925, and the monthly average for the calendar year 1926:

	May, 1927.	May, 1926.	May, 1925.	Average per month for calendar year 1926.
Number of vessels	471	470	372	451
United States net tonnage	1,758,021	1,750,937	1,453,467	1,687,875
Panama Canal net tonnage	2,248,892	2,243,103	1,847,682	2,153,020
Registered gross tonnage	2,876,402	2,876,358	2,370,217	2,753,689
Registered net tonnage	1,766,716	1,764 283	1,470,775	1,694,149
Tolls	$2,066,070 73	$2,056,965.55	$1,705,592.20	$1,991,795.00
Tons of cargo carried	2,379,713	2,416,701	1,823,042	2,298,896

The average daily number of transits, tonnage, tolls, and cargo, are shown in the following statement, in comparative form, commercial vessels only:

	Average per day.			Average per day for calendar year 1926.
	May, 1927.	May, 1926.	May, 1925.	
Number of transits	15.19	15.16	12.00	14.84
Panama Canal net tonnage	72,545	72.358	59,602	70,784
Tolls	[1] $66,629.90	$66,353.73	$55,019.10	$65,483.67
Tons of cargo carried	76,765	77,958	58,808	75,578

[1] Does not include $543.75 collected on supplemental bills.

AVERAGE TONNAGE, TOLLS, AND TONS OF CARGO PER VESSEL.

The average tonnage, tolls, and cargo per vessel transiting the Canal during the month of May, 1927, as compared with May, 1926, and 1925, are shown in the following tabulation:

	Average per vessel.		
	May, 1927.	May, 1926.	May, 1925.
United States equivalent net tonnage	3,732	3,725	3,920
Panama Canal net tonnage	4,774	4,773	4,967
Registered gross tonnage	6,107	6,120	6,371
Registered net tonnage	3,751	3,754	3,953
Tolls	[1] $4,385.41	$4,376.52	$4,584.92
Tons of cargo (including vessels in ballast)	5,052	5,146	4,901
Tons of cargo (laden vessels only)	6,246	6,627	5,996

[1] Does not include $543.75 collected on supplemental bills.

TOLLS.

At present, tolls are collected at rates of $1.20 per ton for laden vessels and $0.72 per ton for vessels in ballast, computed on the basis of the Panama Canal rules of measurement, with the provision that tolls shall not exceed $1.25 per ton nor be less than $0.75 per ton as determined in accordance with the United States rules for measurement of net registered tonnage. In order to ascertain the proper tolls charges, it is necessary, therefore, that the net tonnage of vessels transiting the Canal be determined both in accordance with the Panama Canal and the United States rules of measurement.

Taking the traffic through the Canal for the month of May, 1927, the following tabulation shows a comparison of tolls actually collected under the present method of assessing tolls, and the tolls that would have been collected on the basis of the Panama Canal rules of measurement at the proposed rates of $1.00 laden and $0.60 ballast, with the traffic for the month segregated by flag:

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
Belgian	$7,634.40	$6,362.00	.....	$1,272.40
British	518,052.40	535,909.00	$17,856.60	.....
Chilean	4,390.00	4,705.00	315.00	.....
Colombian	3,091.10	2,897.00	.....	194.10
Costa Rican	51.75	41.40	.....	10.35
Danish	15,686.25	15,046.00	.....	640.25
Danzig	17,555.19	15,866.20	.....	1,688.99

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
Dutch	$70,111.25	$73,222.00	$3,110.75	.....
French	42,569.00	43,555.00	995.00	.....
German	69,843.75	80,535.00	10,691.25	.....
Italian	21,800.00	21,215.00	.....	$585.00
Japanese	46,676.40	44,504.00	.....	2,172.40
Norwegian	60,197.04	59,041.00	.....	1,156.04
Panaman	5,991.18	7,103.60	1,112.42	.....
Peruvian	9,371.05	13,770.00	4,398.95	.....
Spanish	3,073.75	2,827.00	.....	246.75
Swedish	28,237.74	32,192.20	3,954.46	.....
United States	1,129,921.23	1,103,968.40	.....	25,952.83
Yugoslav	11,282.50	11,863.00	580.50	.....
Totals	[1] 2,065,526.98	2,074,622.80	43,014.93	33,919.11

[1] Does not include $543.75 collected on supplemental bills.

The decrease on vessels of United States registry would have been made up, with respect to channels of trade in which the vessels were engaged, as follows:

United States intercoastal trade	$15,108.74
United States foreign trade	7,387.63
United States–Canal Zone trade	3,456.46
Total	25,952.83

RATIO OF CARGO TONNAGE TO NET TONNAGE.

The ratio of cargo tonnage to net tonnage, Panama Canal measurement, of vessels transiting the Panama Canal in May, 1927, is shown in the following tabulation, segregated by nationality of vessels and direction of transit. Laden vessels only are included:

Nationality.	Atlantic to Pacific.	Pacific to Atlantic.	Total.
Belgian	.....	1.57	1.57
British	0.89	1.33	1.13
Chilean	.....	1.70	1.70
Colombian	1.30	1.35	1.31
Danish	1.23	1.78	1.44
Danzig	.....	1.83	1.83
Dutch	.55	1.39	.94
French	.71	1.74	1.13
German	1.08	1.01	1.03
Italian	.73	1.12	.92
Japanese	1.32	1.45	1.40
Norwegian	1.22	1.47	1.35
Panaman	.89	1.83	1.48
Peruvian	.30	.61	.47
Spanish	.69	.....	.69
Swedish	1.34	2.81	2.33
United States	1.05	1.69	1.45
Yugoslav	1.31	1.89	1.52
Averages, May, 1927	.97	1.56	1.31
Averages, May, 1926	.98	1.57	1.32
Averages, May, 1925	.95	1.41	1.20

CLASSIFICATION OF VESSELS.

A further classification of commercial vessels passing through the Canal during the month of May, 1927, is as follows:

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Tank ships:						
Laden	1	6,051	$6,505.00	55	315,740	$326,989.40
Ballast	59	340,660	249,055.32			
General cargo ships:						
Laden	163	773,950	720,855.15	155	704,743	683,692.65
Ballast	30	92,392	66,750.30	4	1,542	1,099.38

Class.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Noncargo-carrying ships:						
Passenger	.....	.....	.....	1	12,735	$9,715.00
Tugs	1	223	$243.75	.....	.....	.....
Yachts	.....	.....	.....	2	856	621.03
Totals	254	[1]1,213,276	1,043,409.52	217	1,035,616	[2]1,022,117.46
Method of propulsion:						
Steam	208	1,033,225	896,442.25	185	920,912	909,805.28
Motor	35	179,188	146,041.39	25	113,684	111,204.03
Motor (schooners)	8	648	764.63	7	1,020	1,108.15
Non-fuel burning	3	215	161.25	.....	.....	.....
Totals	254	[1]1,213,276	1,043,409.52	217	1,035,616	[2]1,022,117.46

[1] Does not include $540.00 collected on supplemental bill.
[2] Does not include $3.75 collected on supplemental bill.

Of the 393 steam-driven vessels, 288 were oil-burning and 105 were coal-burning.

NONCOMMERCIAL TRAFFIC.

The following statement shows the tonnage and the amount of cargo carried by vessels transiting the Panama Canal free of tolls during the month of May, 1927. If tolls had been assessed against these vessels at commercial rates, the amount collected would have been approximately as indicated:

Class and nationality.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of transits.	Tonnage.	Tolls.	No. of transits.	Tonnage.	Tolls.
U. S. Naval vessels:						
Cruisers	.....	.....	.....	1	[1]7,500	$3,750.00
Destroyers	4	[1]4,860	$2,430.00	2	[1]2,815	1,407.50
Launches	2	[2]10	7.20	.....	.....	.....
Lighthouse tenders	1	[2]248	178,56	.....	.....	.....
Mine layers	1	[1]3,800	1,900.00	.....	.....	.....
Mine sweepers	3	[1]2,850	1,425.00	2	[1]1,900	950.00
Submarines	15	[1]11,730	5,865.00	5	[1]2,600	1,300.00
Repair ships	1	[1]10,000	5,000.00	.....	.....	.....
Tankers	.....	.....	.....	1	[2]6,415	7,698.00
Transports	1	[2]5,212	6,254.40	.....	.....	.....
U. S. Army vessels:						
Transports	1	[2]5,212	6,254.40	1	[2]5,212	6,254.40
Tugs	.....	.....	.....	2	[1]1,900	950.00
Panaman Government vessels:						
Launches	1	[2]5	3.60	.....	.....	.....
Transports	.....	.....	.....	1	[2]101	72.72
For repairs:						
General cargo	1	[3]812	584.64	1	[3]812	584.64
Totals	31	.....	29,902.80	16	.....	22,967.26

[1] Indicates displacement tonnage. [2] Indicates Panama Canal net tonnage. [3] Indicates United States net tonnage.

The foregoing noncommercial vessels transiting the Canal during the Month of May, 1927, carried cargo as follows:

	Tons.
Atlantic to Pacific	656
Pacific to Atlantic	154
Total	810

The following statement shows the number of launches transiting the Canal during the month of May, 1927. These launches, although paying tolls, are excepted from statements concerning commercial traffic:

	Number.	Tonnage.	Tolls.
Atlantic to Pacific	11	86	$64.53
Pacific to Atlantic	9	70	74.00
Totals	20	156	138.53

STATEMENT OF TERMINAL OPERATIONS.

Details of the business transacted at the Atlantic and Pacific terminals of the Panama Canal during the month of May, 1927, are shown in the following tabulation:

		Cristobal.	Balboa.	Total.
Local cargo arriving	tons.	95,889	83,207	179,096
Local cargo shipped	tons.	5,821	310	6,131
Transit cargo arriving	tons.	2,270,751	2,342,990	4,513,741
Transit cargo clearing	tons.	2,267,903	2,321,940	4,589,843
Cargo received for transshipment	tons.	27,920	4,622	32,542
Cargo transshipped	tons.	27,808	152	27,960
"Canal Zone for Orders" cargo:				
Number of receipts issued		39	19	58
Number of withdrawals		226	103	329
Tons received		304	171	475
Tons withdrawn		704	84	788
Packages received		4,754	2,085	6,839
Packages withdrawn		7,286	1,048	8,334
Vessels supplied with bunker coal:				
Commercial, other than Panama Railroad Company		52	5	57
United States Army		.....	1	1
Coal supplied to above vessels:				
Commercial, other than Panama Railroad Company		21,591	29	21,620
United States Army		.....	55	55
Coal issued, miscellaneous:				
Panama Canal departments	tons.	74	5	79
U. S. Army, excepting vessels	tons.	73	.....	73
Individuals and companies	tons.	155	31	186
Panama Railroad Company	tons.	15	.....	15
Transferred to Navy	tons.	391	.....	391
Total issues and sales	tons.	22,299	120	22,419
Coal on hand June 1, 1927	tons.	104,586	.....	104,586
Coal on hand May 1, 1927	tons.	98,191	.....	98,191
Coal received during month	tons.	28,694	.....	28,694
Coal received from Navy	tons.	.....	120	120
Fuel oil issued from Panama Canal tanks:				
Panama Canal departments	bbls.	6,805.82	18,564.95	25,370.77
Panama Railroad Company	bbls.	361.60	.....	361.60
Army and Navy	bbls.	.....	606.53	606.53
Individuals and companies	bbls.	.....	113.33	113.33
Total sales and issues	bbls.	7,167.42	19,284.81	26,452.23
Fuel oil received during May, 1927	bbls.	.....	69,254.64	69,254.64
Fuel oil on hand, June 1, 1927	bbls.	49,422.17	114,343.21	163,765.38
Diesel oil sold during May, 1927	bbls.	435.84	.....	435.84
Diesel oil on hand June 1, 1927	bbls.	28,486.49	752.92	29,239.41
Miscellaneous transfers	bbls.	.....	2,396.25	2,396.25
Gasoline and kerosene pumped for the Panama Canal	bbls.	1,778.88	3,097.24	4,876.12
Gasoline pumped for individuals and companies	bbls.	.....	4,238.12	4,238.12
Oil pumped for individuals and companies	bbls.	692,073.93	883,092.38	1,575,166.31
Total fuel oil, gasoline, and kerosene handled	bbls.	701,456.07	981,363.44	1,682,819.51
Admeasurement of vessels:				
U. S. equivalent certificates issued		25	4	29
Measured for Panama Canal net tonnage		11	1	12
Remeasured for Panama Canal net tonnage		20		20
Panama Canal net tonnage corrected		4	9	13
U. S. equivalent tonnage corrected		13	9	22
Services of harbor equipment:				
Tugs, total operating hours		452½	494¼	1,046¾
Launches, total operating hours		1,280½	1,739¼	3,019¾
Revenue from tug service, pilotage etc.:				
Tug revenue		$13,925.00	$21,693.15	$35,618.15
Pilotage		19,223.00	9,015.00	28,238.00
Seamen		11,600.00	10,072.00	21,672.00
Launch service		1,710.50	3,597.50	5,308.00
Wharfage		16,698.27	5,769.02	22,467.29
Ships measured		415.00	45.00	460.00
Miscellaneous and cash collections		599.91	676.00	1,275.91
Ships repaired at Panama Canal shops:				
Commercial		54	13	67
U. S. Army and Navy		8	3	11
Panama Canal equipment		3	15	18
Vessels dry docked:				
Commercial		10	4	14
U. S. Army and Navy		1	.....	1
Panama Canal equipment		1	5	6
Clearances issued		270	262	532
Bills of health issued		288	265	553

ALL VESSELS ENTERING AND CLEARING PORT.

	Port of Cristobal.			Port of Balboa.		
	No. of ships.	Registered gross tonnage.	Registered net tonnage.	No. of ships.	Registered gross tonnage.	Registered net tonnage.
Ships entering.						
All vessels including those transiting Canal	547	3,220,458	1,991,480	523	3,062,521	1,910,218
Vessels entering port but not transiting Canal	77	324,582	196,923	11	50,330	30,623
Vessels transiting Canal and handling passengers and cargo at terminal ports	120	715,197	457,977	57	366,025	220,638
Ships clearing.						
All vessels including those transiting Canal	542	3,203,509	1,979,176	521	3,024,543	1,884,181
Vessels clearing port but not transiting Canal	78	330,641	201,348	11	50,330	30,623
Vessels transiting Canal and handling passengers and cargo at terminal ports	117	714,720	457,332	56	351,879	211,748

MOVEMENT OF PASSENGERS.

	At Cristobal.			At Balboa.		
	First class.	Others.	Total.	First class.	Others.	Total.
Disembarking:						
From Atlantic ports	1,638	947	2,585	35	19	54
From Pacific ports	220	87	307	191	120	311
Total disembarking	1,858	1,034	2,892	226	139	365
Embarking:						
For Atlantic ports	1,734	974	2,708	76	283	359
For Pacific ports	324	183	507	215	160	375
Total embarking	2,058	1,157	3,215	291	443	734
Remaining on board:						
From Atlantic to Pacific ports	1,299	1,675	2,974	1,799	1,665	3,464
From Pacific to Atlantic ports	1,903	1,652	3,555	1,782	1,520	3,302
From Atlantic to Atlantic ports	835	107	942	.....	.....	.....
From Pacific to Pacific ports	.....	.....	.....	.....	.....	.....
Total remaining on board	4,037	3,434	7,471	3,581	3,185	6,766
Total arriving	5,895	4,468	10,363	3,807	3,324	7,131
Total departing	6,095	4,591	10,686	3,872	3,628	7,500

PASSENGER-CARRYING VESSELS THROUGH CANAL.

	Total commercial vessels.	Passenger-carrying vessels.	Per cent of total transits.
Atlantic to Pacific	254	37	14.5
Pacific to Atlantic	217	35	16.0
Totals	471	72	15.2

In addition to the aforesaid, 77 passenger-carrying vessels called at the port of Cristobal without transiting the Canal, making a total of 149 passenger-carrying vessels calling at Canal ports during the month.

COMMISSARY SALES TO VESSELS.

Following is a statement of commissary sales to vessels during the month of May, 1927:

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Cristobal to:						
Commercial vessels	$1,625.98	$10,041.21	$20,871.41	$260.29	$4,922.46	$37,721.35
Government vessels	204.22	6,032.79	26,732.49	313.91	3,505.16	36,788.57
Panama Railroad vessels	.....	9.63	1,750.70	504.00	402.78	2,667.11
Total sales, May, 1927	1,830.20	16,083.63	49,354.60	1,078.20	8,830.40	77,177.03
Total sales May, 1926	2,947.07	11,502.85	26,255.41	855.28	5,481.31	47,041.92
Total sales, May, 1925	1,740.86	7,999.34	19,654.66	958.60	2,549.90	32,903.36

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Balboa to:						
Commercial vessels	$791 26	$3,349 64	$10,129 11	$184 68	$4,147 01	$23,601 74
Government vessels	341 20	2,409 24	13,283 65	258 34	633 06	16,925 49
Total sales, May 1927	1,132 46	10,758 92	23,412 76	443 02	4,780 07	40,527 23
Total sales, May, 1926	1,157 87	$10,276 65	22,892 21	600 33	2,775 97	37,703 03
Total sales, May, 1925	1,420 45	8,737 96	26,768 52	1,121 93	1,576 38	39,625 24

The aggregate sales to Government vessels during the month was $53,714.06; to Panama Railroad vessels, $2,667.11; and to other commercial vessels, $61,323.09; making the total sales to all vessels $117,704.26.

LOCK OPERATIONS.

The following tabulations shows the number of lockages, and the number of vessels passing through the locks during the month of May, 1927, as compared with the corresponding month in 1926, and 1925, together with the consumption of water for lockages, maintenance, etc., in May, 1927, as compared with the preceding month and the corresponding month in 1926:

Locks.	Number of lockages.						Comparative grand totals.		
	Commercial.			Noncommercial.					
	North.	South.	Total.	North.	South.	Total.	May, 1927.	May, 1926.	May, 1925.
Gatun	212	234	446	4	10	14	460	460	369
Pedro Miguel	212	244	456	14	25	39	495	475	390
Miraflores	210	238	448	14	22	36	484	464	383
	Number of vessels put through locks.								
Gatun	227	262	489	23	34	57	546	567	411
Pedro Miguel	226	260	486	47	67	114	600	582	455
Miraflores	227	260	487	49	67	116	603	570	460

CLASSIFICATION OF NONCOMMERCIAL VESSELS.

	Gatun.	Pedro Miguel.	Miraflores.
Army and Navy vessels	49	48	50
Panama Canal equipment	8	65	65
Panaman Government vessels		1	1

The total consumption of water for lockages, maintenance, and loss in leakage was as follows:

	Gatun.	Pedro Miguel.	Miraflores.
	Cubic feet.	*Cubic feet.*	*Cubic feet.*
Lockages	1,804,420,000	1,538,920,000	1,475,810,000
Maintenance			2,330,000
Leakage	20,000,000	20,000,000	20,000,000
Totals, May, 1927	1,824,420,000	1,558,920,000	1,498,140,000
Totals, April, 1927	1,544,050,000	1,346,800,000	1,395,000,000
Totals, May, 1926	1,012,990,000	877,180,000	861,890,000

METEOROLOGY AND HYDROGRAPHY.

In the following tabulation the meteorological and hydrographic conditions over the Canal Zone and vicinity during the month of May are shown in comparative forms:

Rainfall for month.	May.		May—Years of record.		
	1927.	1926.	Maximum.	Minimum.	Mean.
	Inches.	*Inches.*	*Inches.*	*Inches.*	*Inches.*
Pacific section	11.92	5.11	12.13	4.95	8.66
Central section	14.61	6.89	16.05	6.31	11.06
Atlantic section	19.02	14.86	22.24	4.54	14.26
Maximum recorded on any one day	6.10	6.05	[1] 10.65	.....	.....
Gatun Lake watershed	16.09	8.99	17.88	6.18	11.55
Chagres River watershed above Alhajuela	19.32	8.33	20.51	5.69	12.72
Maximum recorded for month at any one point	56.33	18.31	56.33	.....	.....
Minimum recorded for month at any one point	8.27	1.28	.....	1.28	.....
Hydrography.	*C. f. s.*	*C. f. s.*	*C. f. s.*	*C. f. s.*	*C. f. s.*
Discharge of Chagres River at Alhajuela	3,278	523	5,220	491	2,127
Maximum momentary discharge for the month	37,200	10,266	[2] 61,200	.....	.....
Gatun Lake watershed, total yield	8,383	1,928	8,665	1,417	4,705
Gatun Lake watershed, net yield	7,895	1,255	7,964	583	4,129
Draft on Gatun Lake for lockages and power	2,704	1,746	2,704	[3] 1,067	[3] 1,937

[1] 12.25 represents the maximum 24-hour rainfall recorded on the Canal Zone and vicinity since American occupation recorded at Gatun Lake on October 23 and 24, 1923. NOTE.—Extreme outlying sections in the Republic of Panama not included in this report. [2] May 5, 1918. [3] Does not include May, 1914.

SEISMOLOGY.

One seismic disturbance was recorded during the month—on the 22d.

ELECTRICAL DIVISION.

In addition to the usual operating and maintenance work performed by this division, electrical installation and repair work was made on 30 vessels during the month. There were 317 work orders issued during May, as compared with 283 for the month of April.

MECHANICAL DIVISION.

During the month miscellaneous repairs were made on 65 vessels at Cristobal and 31 at Balboa. Overhaul of the U. S. Army mine planter *Wm. M. Graham* was continued during the month. Extensive repairs to the hull and machinery of the dredge *Cascadas* of the Dredging Division was started during the month.

MUNICIPAL ENGINEERING DIVISION.

The usual maintenance work on roads, streets, and walks, and to the sewer and water systems, was performed during the month.

The amount of water pumped during the month totaled 673,050,750 gallons.

DREDGING DIVISION.

West Culebra slide showed a slight movement of .5 feet toward the Canal, and East Culebra slide showed a slight surface movement during the month. There was no interference with Canal traffic during the month.

The total excavation during the month was 352,270 cubic yards, as follows:

Cubic yards.	Classified as—		Character of work.	Station.	Equipment.
	Earth.	Rock.			
161,000	161,000	.....	Maintenance	Atlantic terminals	*No. 83.*
49,150	15,000	34,150	Maintenance	Gaillard Cut	*Gamboa*
1,000	1,000		Maintenance	Pacific entrance	*Cascadas.*
3,000	.....	3,000	Maintenance	Pacific entrance	*Cascadas.*
18,000	18,000		Maintenance	Pacific entrance	*Paraiso.*
63,950	.....	63,950	Maintenance	Pacific entrance	*Paraiso.*
53,440	53,440		Auxiliary	Chagres River (gravel service)	*No. 86.*
1,030	1,030	.....	Auxiliary	Sand from Chame	*La Valley.*
1,700	1,700		Maintenance	Pacific entrance	*No. 86.*

OCCUPANTS OF QUARTERS.

The number of persons, including men, women, and children, occupying Panama Canal and Panama Railroad quarters on May 31, 1927, totaled 20,543, of whom 7,052 were Americans, 191 Europeans, and 13,300 West Indians. The total number of persons in quarters on May 31, 1926, was 20,519.

WORKING FORCE.

The following tabulation shows the number of gold and silver employees as of May 18, 1927, together with a comparison of the working force for the preceding month, and for May, 1926:

	As of May 18, 1927.			Total employees.	
	Gold.	Silver.	Total.	April, 1927.	May, 1926.
Operation and Maintenance:					
Office	38	40	78	82	71
Electrical	145	185	330	319	306
Municipal Engineering	78	802	880	784	809
Lock Operation	214	612	826	1,054	845
Dredging	183	908	1,091	1,117	1,029
Mechanical	438	813	1,251	1,229	1,163
Marine	196	635	831	791	792
Fortifications	13	21	34	41	117
Totals	1,305	4,016	5,321	5,417	5,132
Supply Department:					
Quartermaster	184	1,735	1,919	1,833	1,616
Subsistence	7	97	104	102	106
Commissary	199	992	1,191	1,182	1,153
Cattle Industry	7	129	136	135	394
Hotel Washington	8	96	104	109	101
Transportation	46	197	243	251	242
Totals	451	3,246	3,697	3,612	3,612
Accounting Department	199	8	207	206	205
Health Department	238	803	1,041	1,069	1,019
Executive Department	490	281	771	772	782
Totals	927	1,092	2,019	2,047	2,006
Panama Railroad:					
Superintendent	46	252	298	284	286
Transportation	64	118	182	179	173
Receiving and Forwarding Agent	87	1,274	1,361	1,290	1,251
Coaling stations	48	270	318	313	352
Totals	245	1,914	2,159	2,066	2,062
Grand totals, May, 1927	2,928	10,268	13,196	.....	.....
Grand totals, April, 1927	2,908	10,234	.....	13,142	.....
Grand totals, May, 1926	2,853	9,959	.....	.....	12,812

VITAL STATISTICS.

A total of 130 deaths occurred during the month of May, 1927, among the population of the Canal Zone, and the cites of Panama and Colon, which is equivalent to an annual death rate of 12.20 per 1,000 population. The leading causes of death were: Tuberculosis (various organs), 23; pneumonia (broncho and lobar), 18; nephritis (acute and chronic), 11; diarrhea and enteritis, 10; organic heart disease, 5; and cancer (various organs), 5. There were 4 deaths from apoplexy, 1 from diphtheria, and 1 from whooping cough. There were 22 deaths among nonresidents of the Isthmus. These are not included in the above statistics.

There were 246 live births reported during the month, and 13 stillbirths. Including stillbirths, this is equivalent to an annual birth rate of 24.30 per 1,000 population. Deaths among children under 1 year of age numbered 28, giving an infant mortality rate of 113.82 per 1,000 live births.

The total number of malaria cases reported from the Zone and the cities of Panama and Colon during May was 105, of whom 9 were employees (4 white and 5 colored), 4 were members of employees' families (1 white and 3 colored), 19 were other civilian nonemployees, and 73 were Army and Navy personnel. Four of the 13 employees and members of their families were probably infected outside our sanitated areas, as they gave a history of working, living, or having been in such areas at night previous to their becoming sick.

The total number of cases, 105, is approximately the average for May for the past 10 years. The total number of cases this year to date, 385, is, with the exception of 2 years, the lowest in the past 10 years.

There were no deaths from malaria.

RECEIPTS AND SALES OF MATERIALS AND SUPPLIES.

The value of material ordered on United States requisitions and received on the Isthmus during the month totaled $336,151.55, of which $313,759.03 was for the Department of Operation and Maintenance, and $22,392.52 for other Panama Canal departments.

Cash sales on the Isthmus from stock, fuel oil, scrap, and obsolete and second-hand material amounted to $38,414.25.

FINANCIAL STATEMENT.

The following statement shows in a condensed form the aggregate revenue and expenditures for the month of April, 1927, as compared with April, 1926, together with figures for the first 10 months of the current fiscal year as compared with the same period in the fiscal year 1926.

It is impossible to submit the figures for the month of May at the time of writing this report, since all the charges, etc., involved in the accounting have not been completed:

	Month.		Fiscal year to end of April.	
	April, 1927.	April, 1926.	This year.	Last year.
Tolls	$2,065,326.21	$1,917,474.36	$20,191,433.34	$19,019,023.67
Other receipts	281,215.18	255,890.06	2,999,688.81	2,709,451.01
Total transit revenues	2,346,541.39	2,173,364.42	23,191,122.15	21,728,474.68
Totals transit expenses	995,157.66	881,527.27	10,131,388.35	8,990,274.20
Net transit revenues	1,351,383.73	1,291,837.15	13,059,733.80	12,738,200.48
Three per cent capital charge	608,583.32	612,412.72	6,090,432.44	6,125,404.56
Transit surplus	742,800.41	679,424.43	6,969,301.36	6,612,795.92
Business revenues	1,287,429.88	1,141,802.69	12,711,613.05	12,638,750.13
Business expenses	1,243,277.89	1,105,648.49	11,787,048.76	11,900,067.96
Net business revenues	44,151.99	36,154.20	924,564.29	738,682.17
Three per cent capital charge	57,953.15	54,148.70	612,741.13	577,780.39
Business surplus	13,801.16	17,994.50	311,823.16	160,901.78
Combined revenues	3,369,642.68	3,074,089.60	33,254,237.76	31,834,743.38
Combined expenses	1,974,106.96	1,746,098.25	19,269,939.67	18,357,860.73
Combined net revenues	1,395,535.72	1,327,991.35	13,984,298.09	13,476,882.65
Three per cent capital charge	666,536.47	666,561.42	6,703,173.57	6,703,184.95
Combined surplus	728,999.25	661,429.93	7,281,124.52	6,773,697.70

Respectfully,
M. L. WALKER,
Governor.

Notice to Mariners.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., June 24, 1927.

Gas and whistling buoy located eight and six-tenths miles north of the breakwater entrance to Cristobal Harbor was permanently discontinued to-day, June 24, 1927.

It will later be established south of South Frailes; exact position and location will be announced later.

M. L. WALKER,
Governor.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, June 25, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross	Net.
City of Panama [2]	7	17 00	19	6 00	19	14 07	19	17 30	Panaman	Panama Mail S. S. Co	296 9	45 0	18 0	Cristobal, C. Z	San Francisco, Cal.	General	1,784	3,848	2,603
Amazonas	16	21 15	19	6 00	19	14 12	19	15 45	Peruvian.	Peruvian Line	350 10	42 5	19 6	New York, N. Y	Callao, Peru	General, coal	1,522	3,744	2,621
Corsicana.	18	14 35	19	6 15	19	14 18	19	18.10	American	Pillsbury & Curtis	250 5	43 7	21 3	New York, N. Y	San Francisco, Cal.	General	2,171½	2,483	1,696
Dunistaffnage	18	18 50	19	7 20	19	14 54	19	16 50	British	Ardmore S. S. Co	384 0	52 0	24 6	New York, N. Y.	San Antonio, Chile	General	4,470	5,173	3,651
Myrtle	19	4 05	19	7 20	19	15 02	19	16 50	American	Colombia-Pac. S. S. Co.	410 6	54 2	19 6	Philadelphia, Pa.	Aberdeen, Wash	General	3,417	6,755	4,895
Charles G. Black [1]	19	6 00	19	8 35	19	15 58	19	17 30	American	Standard Oil Co	550 0	72 2	22 0	New York, N. Y.	Los Angeles, Calif	Ballast		15,418	10,613
El Lobo [1].	19	8 15	19	8 50	19	16 15	20	3 28	British	C. T. Bowring & Co	385 2	51 0	19 0	Halifax, N. S.	Lobitos, Peru	Ballast		4,851	3,326
West Mingo.	19	8 40	19	9 25	19	16 48	19	18.10	American	Calif. & East'n S. S. Co.	410.0	54.4	17.0	Philadelphia, Pa.	Los Angeles, Calif	General	2,195	6,476	4,682
Pacific Trader.	17	11 00	19	10 11	19	17 08	19	18 10	British	Furness, Withy & Co.	420 0	58 0	19 6	Glasgow, England	Vancouver, B. C.	Gen., bananas	2,314	7,905	5,869
Motor Sailor			19		19	9 44			American	U. S. Navy				Cristobal, C. Z	Gatun, C. Z.				
Cambridge	19	14 35	20	6 20	20	14 47	21	7 24	British	N. Z. Shipping Co	524 0	65 0	27 10	Liverpool, England	Auckland, N. Z.	General	11953½	12,485	8,854
No. 314 [1]	19	15 40	20	6 00					American	U. S. Navy	310 0	31 0	12 0	Bluefields, Nicaragua.	Balboa, C. Z				
City of Corinth	19	16 30	20	7 10	20	14 56	20	16 10	British	Ellerman & Bucknall.	391.0	54 3	25 9	New York, N. Y.	Auckland, N. Z.	General	4,658	7,102	5,358
West Cusseta [2].	19	18 00	20	7 25	20	15 44	21	10 50	American	Roosevelt S.S.Co.(S.B.)	410 0	54 4	19 3	New York, N. Y.	Fremantle, Aust'lia	General	2,541	6,736	4,880
Pacific	19	20 55	20	8 30	20	16 34	20	22 00	American	Argonaut S. S. Co.	399 7	56 2	25 0	Baltimore, Md	Tacoma, Wash.	Steel, general.	7,979	6,517	4,723
Annie Johnson	19	10 50	20	9 42	20	17 19	20	21 22	Swedish	Johnson Line	392 2	52 0	23 0	Malmo, Sweden	San Francisco, Cal.	General	3,548	6,650	4,919
Feltore	20	8 40	20	10 05	20	17 35	21	1 20	American	Ore S. S. Corp	449 1	57 2	17 0	Baltimore, Md	Cruz Grande, Chile	Ballast		7,808	5,139
J. W. VanDyke [1]	20	8 43	20	10 55	20	18 10	20	19.33	American	Atlantic Refining Co	364 9	51 0	20 6	Durban, S. Africa.	Los Angeles, Calif.	Ballast		5,174	3,528
Stuart Dollar.	20	9 35	20	11 00	20	18 54	21	2 12	American	Dollar Line	429 0	55 2	18 2	Philadelphia, Pa.	Seattle, Wash	General	3,005	7,581	5,538
Westerdijk.	19	18 33	20	12 05	20	19 51	20	21 22	Dutch.	Holland-American Line.	450 0	55 0	24 2	Antwerp, Belgium	Los Angeles, Calif.	General	4,328	8,480	5,690
Eurana	20	16 08	21	6 05	21	14 10	22	7 29	American	Isthmian S. S. Lines	400 0	56 0	25 0	Baltimore, Md	Vancouver, B. C.	Steel, general.	7,908	7,381	5,595
Malayan Prince [2]	20	21 45	11	6 30	21	13 01	21	13 45	British	Rio Cape Line	441 0	60 0	23 6	New York, N. Y.	Manila, P. I	General	5,396	9,209	6,245
Estrella [2]	19	00 05	21	7 30	21	14 18	21	15 35	Norwegian.	American Trading Co	375 7	51 5	11 0	Hamburg, Germany	Los Angeles, Calif	Ballast		5,627	4,014
Seekonk [3].	20	22 55	21	8 20	21	15 21	21	16 30	American	United American Line.	390 0	54 2	20 0	Bremen, Germany	Portland, Oreg	General	3,340	6,162	4,417
American	20	23 50	21	9 25	21	16 14	21	17 45	American	Amer.-Hawaiian Line	404 6	53 9	21 3	Boston, Mass.	Tacoma, Wash	General	5,093	6,789	4,746
La Brea [1].	21	3 00	21	10 45	21	17 24	21	19 56	American	Union Oil Co	435 0	56 2	19 6	Philadelphia, Pa.	Los Angeles, Calif	Ballast		7,150	4,765
K. R. Kingsbury [1].	21	4 15	21	12 10	21	18 40	21	22.06	American	Standard Oil Co	440 0	58 0	22 6	Baltimore, Md	Los Angeles, Calif	Ballast		9,033	5,938
Ocean Eagle [1].			21		21	8 40			American	Amos Gordon				Cristobal, C. Z	Gatun, C. Z.	(5)		10	10
Dolores Gordon [4].			21		21	8 40			American	Amos Gordon				Cristobal, C. Z	Gatun, C. Z	Ballast		4	4
Breda	21	9 45	22	6 07	22	13 51	22	23 25	Dutch	Royal Neth. S. S. Co.	402 6	58 3	19 6	Hamburg, Germany	Corral, Chile	General	2,995	7,384	4,769
Dansborg	21	22 50	22	8 15	22	15 47	22	17 15	Danish	Canadian Transp. Co	369.0	49.5	15 0	Norfolk, Va.	Vancouver, B. C.	Ballast		5,757	4,268
City of Bristol.	21	23 20	22	8 08	22	16 23	22	18.00	British	Norton, Lilly & Co.	452 0	56 6	25 9	New York, N. Y.	Adelaide, Australia.	Case oil, general.	5,893	8,044	6,102
Katrina Luckenbach	22	8 45	22	10 40	22	17 27	22	18.25	American	Luckenbach Line	446 0	56 7	24 5	Boston, Mass	Seattle, Wash	General	6,976	8,508	6,179

[1] Tanker. [2] Motor ship. [3] Destroyer. [4] Launch. [5] Towing *Dolores Gordon*.

Oroema	22	6.28	22	12.00	22	18.21	23	2.50	British	Pacific Steam Nav. Co.	511.0	62.0	24.11	Liverpool, England	Valparaiso, Chile	General	4,328	12,414	8,302
Euro	22	12.50	22	12.55	22	20.25	22	22.35	Italian	Canadian Transp. Co.	387.6	51.6	26.0	New York, N. Y.	Vancouver, B. C.	Sugar	7,012	6,193	4,784
Los Hermanos[9]	21	15.35	22	8.55	22	17.27	22	17.54	Panaman	Isth. Land & Fruit Co.	35.0	12.0		Cristobal, C. Z.	Balboa, C. Z.	Ballast		17	13
Colorado[7]	23	5.50	23	6.15	23	15.17	24	00.25	American.	U. S. Navy	600.0	97.0	32.0	New York, N. Y.	Los Angeles, Calif.				
Tustem[1]	22	19.40	23	6.00	23	13.52	23	14.55	American	Atlantic Refining Co.	425.0	57.2	22.8	Matanzas, Cuba	Los Angeles, Calif.	Ballast		7,204	4,768
Lubricio[1]	22	19.54	23	7.35	23	16.04	23	17.15	American.	Standard Oil Co.	425.0	57.2	16.0	Baltimore, Md	Los Angeles, Calif.	Ballast		7,227	4,827
Papoose[1]	22	20.10	23	8.15	23	16.15	23	17.15	American	Petroleum Nav. Co	412.0	53.3	16.0	New York, N. Y.	Los Angeles, Calif.	Ballast		6,430	4,427
Willet[8]	20	10.32	23	8.55	23	16.20	23	17.25	American	Merr'tt, Chapman&Scott	181.6	35.5	14.0	Old Providence, Col.	Talara, Peru	Ballast		809	223
Manchuria	23	9.25	23	9.50	23	17.00	24	00.25	American	Panama-Pacific Line	600.0	65.3	27.0	New York, N. Y.	San Francisco, Cal.	General, etc.	1,768	17,044	11,488
Hororata	23	2.00	23	11.45	23	19.53	27	00.02	British	N. Z. Shipping Co.	511.1	64.1	30.9	London, England	Auckland, N. Z.	General	6,900	12,623	8,763
San Manuel[1]	23	12.10	23	12.20	23	20.25	24	1.48	British	Anglo-Mexican Pet. Co.	407.0	52.3	17.9	Avonmouth, Eng.	Los Angeles, Calif.	Ballast		6,183	4,343
Essequibo	23	20.54	24	6.07	24	12.57	24	13.56	British	Pacific Steam Nav. Co	450.0	57.9	26.4	New York, N. Y.	Talcahuano, Chile	General	4,194	9,158	6,176
Sapelo[1]	21	13.25	24	7.10	24	14.19	24	22.55	American	U. S. Navy	461.0	69.0	17.0	Norfolk, Va.	Los Angeles, Calif	Naval supplies	162		
William Perkins	24	6.25	24	8.2	24	15.33	26	14.23	American	Garland S. S. Corp.	409.8	54.2	16.0	New York, N. Y.	Aberdeen, Wash.	Ballast		6,757	4,919
Ethel M. Sterling[2]	22	14.29	24	9.32	24	19.40			American	Sterling S. S. Co	195.7	52.0	19.6	Galveston, Texas	Honolulu, T. H.	Sulphur	1,650	1,085	840
Saint Jean	23	15.30	24	10.30	24	17.43	24	18.35	French	French Line	397.0	50.1	18.6	Havre, France	Talcahuano, Chile	Cement, general	1,240	5,849	4,081
Virginian	24	10.07	24	11.06	24	18.39	24	19.35	American	Amer.-Hawaiian Line	491.5	53.2	21.0	Boston, Mass.	Portland, Oreg.	General	3,700	10,491	7,546
East Indian[2]	24	10.12	24	12.20	24	20.21	24	21.46	American	Ford Motor Co	445.0	58.0	17.0	New York, N. Y.	Seattle, Wash	Ballast		8,787	6,275
H. C. Flood	24	13.09	24	13.20	24	21.10	24	22.55	American	Thevenot S. S. Co	266.9	42.0	12.0	New Orleans, La.	La Union, Salvador	Ballast		2,115	1,406
Stella	22	15.47	25	6.05	25	14.57	25	16.05	Norwegian.	Panama Mail S. S. Co.	195.1	32.9	14.9	Cristobal, C. Z.	Buenaventura, Col.	General	830	985	606
Murla	24	8.23	25	7.15	25	15.03	25	19.32	German	Roland Line	449.0	58.0	25.10	Hamburg, Germany	San Antonio, Chile	General	6,959	7,727	5,349
William H. Doheny[1]	25	1.25	25	8.45	25	16.07	25	17.05	American	Mexican Petroleum Co	435.0	56.2	21.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,406	5,111
Mystic	25	10.55	25	11.1	25	18.05			American	Munson S. S. Line	400.3	54.2	22.0	Baltimore, Md.	Seattle, Wash.	General	5,780	6,623	4,625
George Allen	25	11.20	25	11.30	25	19.01	25	21.07	American	Planchard Lumber Co.	385.3	51.2	15.0	New York, N. Y.	Aberdeen, Wash.	Ballast		6,224	4,465
L-55[1]			25		25	14.40			American	U. S. Army				Cristobal, C. Z.	Balboa, C. Z.				

[1] Tanker. [6] Motor schooner. [7] Battleship. [8] Tug.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Norfolk	18	5.01	19	6.2	19	13.25	19	13.25	British	Federal Steam Nav. Co.	520.0	64.2	25.0	Adelaide, Australia	London, England	Frozen, general	8,409	12,963	9,337
Frogner	18	16.54	19	7.1	19	14.38	19	14.38	Norwegian.	Fearnley & Eger	407.1	53.8	26.0	Seattle, Wash.	Antwerp, Belgium	Lumber, copper	8,000	7,010	5,310
Pacific Fir	18	21.39	19	8.1	19	15.43	19	15.43	American	Ocean Transport Co.	410.5	54.0	24.05	Seattle, Wash.	Philadelphia, Pa.	Lumber	7,300	6,622	4,882
Rhodopis	19	5.45	19	9.15	19	17.00	20	20.50	German	Kosmos Line	435.52	53.2	27.4	Punta Arenas, Chile	Hamburg, Germany	General	7,916	7,525	5,154
Astoria[2]	19	7.33	19	9.5	19	17.43	19	17.43	Danish	Canadian Transp. Co.	379.6	53.2	25.0	Vancouver, B. C.	New York, N. Y.	Lumber	6,900	6,241	4,533
Hahira[1]	19	18.45	20	6.10	20	15.00	20	15.00	American	Atlantic Refining Co.	435.6	56.2	23.0	Los Angeles, Calif	Habana, Cuba	Fuel oil	11,045	7,427	5,187
George W. Parnes[1]	20	6.19	20	7.30	20	16.10	20	19.30	American	Huasteca Petroleum Co	416.8	56.1	25.6	Los Angeles, Calif	Baltimore, Md	Gasoline	9,100	6,763	4,759
Santa Ana	20	09.[illegible]	20	8.2	20	15.5[illegible]	20	20.40	American	Grace Line	369.2	51.6	25.8	Tocopilla, Chile	New York, N. Y.	General	3,334	5,776	4,081
Epoca[2]	19	22.0[illegible]	20	8.5	20	17.20	20	17.20	Norwegian.	Ricardo Folgueroe	213.9	35.2	11.7	Buenaventura, Col.	Cispata, Colombia	Ballast		1,218	742
Felix Taussig	19	21.45	20	8.53	20	15.59	20	16.50	American	Norton, Lilly & Co.	305.0	55.1	26.3	Seattle, Wash	Poughkeepsie, N.Y.	Lumber	7,410	7,056	4,964
Kommandoren[9]	20	6.00	20	10.04	20	17.57	21	5.20	Norwegian.	H. A. Christensen	450.0	52.5	26.10	Los Angeles, Calif.	Rotterdam, Holland	(10)	5,452	6,848	4,816
Californian[2]	20	11.03	20	11.45	20	18.53	20	18.53	American	Amer.-Hawaiian Line	445.1	59.7	25.0	Portland, Oreg.	Boston, Mass.	General	7,345	8,567	6,020
D. G. Scofield[1]	20	7.00	20	12.08	20	01.30	20	19.30	American	Standard Oil Co., Calif.	439.5	58.0	30.3	Los Angeles, Calif.	New York, N. Y.	Crude oil	10,869	8,698	5,935
Lisbon Maru	20	00.05	20	13.32	20	20.55	21	8.40	Japanese	Nippon Yusen Kaisha	445.0	58.0	23.6	Manila, P. I.	New York, N. Y.	General	8,253	8,015	5,849
Argon[2]	20	14.15	20	14.51	20	22.05	20	22.05	American	Standard Transp. Co.	435.6	56.2	28.4	Los Angeles, Calif.	Providence, R. I.	Crude oil	9,599	7,386	5,183
West Cactus	20	16.30	21	6.12	21	14.00	21	14.00	American	McCormick S. S. Co.	410.5	54.0	25.0	Vancouver, B. C.	Sagua, Cuba	General	6,823	6,675	5,046
Gargoyle[1]	20	17.49	21	7.08	21	15.35	21	15.35	American	Vacuum Oil Co. of N. Y.	425.0	57.2	27.0	San Francisco, Cal.	Philadelphia, Pa.	Lubricating oil	9,993	7,510	4,989
Walter A. Luckenbach	20	22.00	21	7.59	21	15.08	21	15.08	American	Luckenbach Line	446.5	56.1	28.6	Portland, Oreg.	Boston, Mass.	Lumber, general	6,847	8,785	6,567

[1] Tanker. [9] Whaling ship. [10] Gasoline, Diesel oil, and whale oil.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Sidney M. Hauptman	21	13 45	21	14 29	21	22 20	21	22 20	American	Chas. R. McCormick	401.45	53 2	27 0	Seattle, Wash	New York, N. Y.	Lumber	8,000	7,082	5,167
Edna Christensen	20	13 27	21	14 35	21	21 15	21	23 50	American	Sudden & Christensen	283 0	44.0	17.0	Portland, Oreg	Pto. Colombia, Col.	Lumber, piling	2,198	2,600	1,685
Dos Hermanos [2]	21	7 00	21	7 45	21	15 35	21	7 45	Panaman	Isth. Land & Fruit Co	49 0	12 0		El Real, R. P.	Cristobal, C. Z	Bananas		17	13
Stella	21	18 40	22	6 32	22	15 05	25	6 05	Norwegian	Panama Mail S. S. Co.	195 1	32 9	16 0	Champerico, Guat	Cristobal, C. Z	General	1,092	985	696
Chelsea	21	21 50	22	7 12	22	15 47	22	15 47	British	Sea S. S. Co., Ltd	396 1	52.8	23 10	Vancouver, B. C.	Davenport, Eng.	[13]	7,236	5,374	3,771
Fordefjord [3]	20	18 00	22	8 21	22	16 40	22	16 40	Norwegian	Canadian Transp. Co.	378 8	50 2	24 0	Vancouver, B. C.	Kingston, Jamaica	Lumber, general	5,050		
Greenwald [4]	22	8 00	22	10 42	22	18 50	23	16 07	German	Hamburg-American Line	399 55	54 32	26 6	Seattle, Wash	Hamburg, Germany	General	7,462	6,608	4,979
Galveston [5]	22	2 07	22	10 17	22	18 00	22	22 55	American	U. S. Navy	330 0	44 0	18 0	Corinto, Nicaragua	Boston, Mass.				
Texon [6]	22	11 40	22	12 28	22	24 12	22	24 12	American	General Petroleum Co.	425 8	57 0	27 0	Los Angeles, Calif	New York, N. Y.	Gas oil	9,057	7,218	4,953
El Pasquinaxo [7]			22		22	18 42			Panaman	Panaman Government	125 6	26 5		Gatun, C. Z	Cristobal, C. Z				
L-55 [8]			22		22				American	U. S. Army				Balboa, C. Z	Pedro Miguel, C. Z.				
Steelore	22	19 19	23	5 56	23	16 00	23	16 00	American	Ore S. S. Corp	550 3	72 2	33 6	Cruz Grande, Chile	New York, N. Y.	Iron ore	20,000	15,551	4,297
Cid	22	14 30	23	7 15	23	16 29	24	00 04	British	Pacific Steam Nav. Co	264.8	41 2	15 0	Guayaquil, Ecuador	New York, N. Y	General	846	2,740	1,626
Harry Oh [9]	20	23 55	23	7 21	23	16 12	23	16 40	British	Hobbs Bros., Ltd	174 0	29 4	12 0	Seattle, Wash	Maracaibo, Vene'la	Lumber	554	722	460
William Green [10]	22	15 32	23	7 58	23	18 20	23	22 00	American	Pan-Amer. Pet. & Tr. Co	430 0	58 2	26 11	Los Angeles, Calif	Rio de Janeiro, Br	Diesel & fuel oil	10,466	6,975	4,670
Barney	22	21 44	23	9 12	23	18 33	23	18 35	American	Hanley S. S. Co	440 0	56.0	27 6	Everett, Wash.	Baltimore, Md	Lumber	9,000	6,973	5,995
Robert E. Hopkins [11]	23	11 31	23	13 29	23	21 00	23	21 00	American	Tidewater Oil Co	424 4	58 2	26.8	Los Angeles, Calif	New York, N. Y.	Crude oil	9,860	7,333	5,182
No. 316 [12]			23		23	16 40	24	10 00	American	U. S. Navy	310.0	39.11	....	Gatun Lake, C. Z.					
No. 335 [12]			23		23	16 40	24	10 00	American	U. S. Navy	310.0	39 11	....	Gatun Lake, C. Z					
Cities Service Petrol [1]	23	13 39	24	6 48	24	15 12	24	21 15	American	Cities Service Co	468 0	62 7	29 6	Los Angeles, Calif	Boston, Mass.	Crude oil	12,000	9,802	7,292
Vermont	23	21 00	24	7 07	24	16 50	25	00 53	French	French Line	413 0	52 0	22 8	Vancouver, B. C.	Havre, France	Wheat, general	7,500	5,822	4,122
Eastern Knight	23	21 30	24	8 04	24	16 53	24	16 53	American	Colombian-Pac. S. S. Co	415 1	55 7	29 6	Portland, Oreg	Baltimore, Md	Lumber, copper	9,300		
Greenwich	23	21 30	24	9 28	24	17 50	24	21 45	Dutch	Holland-American Line	450 0	58 2	29 4	Vancouver, B. C	Rotterdam, Holland	Wheat, general	9,450	8,730	5,860
Point Pleasant	24	8 15	24	10 02	24	17 55	24	17 55	American	Swayne & Hoyt	324 0	46.2	22 0	Vancouver, B. C.	New Orleans, La	General	3,469	3,984	2,618
Kansan	24	9 33	24	11 11	24	18 35	24	21 40	American	Amer.-Hawaiian Line	404 6	53.9	27.6	Seattle, Wash	Boston, Mass	General	6,089	6,779	4,921
Ares	24	4 00	24	14 55	24	22 20	25	17 57	Dutch	Royal Neth. S. S. Co.	340 99	48 22	22 9	Corral, Chile	Hamburg, Germany	[13]	5,321	4,385	3,195
Svealand [14]	24	17 00	25	6 16	25	14 55	25	14 55	Swedish	Axel Brostrom & Son.	561 0	72 0	34.0	Cruz Grande, Chile	Baltimore, Md	Iron ore	20,000	15,421	4,421
Hermione Luckenbach	24	7 55	25	7 20	25	15 12	25	15 12	American	Luckenbach Line	401 8	52 25	24 6	Portland, Oreg	Mobile, Ala.	General	5,659	6,002	4,621
Dixto	24	19 20	25	8 11	25	16 10	25	16 10	Norwegian	Canadian Transp. Co.	342 0	48.3	23 0	Vancouver, B. C.	New York, N. Y	Lumber	3,818	4,369	3,180
Cape Cornwall	24	22 00	25	8 48	25	16 38	25	16 38	British	Lyle Shipping Co	495 3	53 05	24 7	Iquique, Chile	Azores [19]	Nitrate	7,156	5,741	4,088
Apple Branch	25	6 45	25	9 03	25	17 05	25	18 50	British	Gulf Line	370 0	51 7	21 0	Talcahuano, Chile	Liverpool, England	General	3,411	5,112	3,511
Uncarbon [1]	25	10 50	25	11 58	25	20 35	27	6 05	American	Union Oil Co. of Calif.	435 0	56 0	30 0	Port San Luis, Cal.	Cristobal, C. Z	Fuel oil	10,000	7,482	5,209
Malacca	24	15 29	25	12 23	25	19 22	25	19 22	British	Shaw, Savill & Albion.	500 14	63 25	27 0	Wellington, N. Z	London, England	Frozen, general	4,494	13,590	9,233
Gingrater	25	11 47	25	13 28	25	21 15	26	1 15	British	Harrison Line	405 1	52 0	25 9	Vancouver, B. C.	Liverpool, England	General	7,300	6,434	4,741
Suteneco	25	13 00	25	13 54	25	22 25	25	22 25	American	Transmarine Lines	324 0	46 2	24 0	Aberdeen, Wash.	Philadelphia, Pa.	Lumber	4,616	3,984	2,628

[1] Tanker. [2] Motor schooner. [3] Motor ship. [4] Light cruiser. [5] Revenue cutter. [6] Launch. [7] Destroyer. [8] Lumber, lead, and concentrates. [9] Oats, copper, cocao, and ivory nuts
[10] For orders

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
June 19	Cartago	United Fruit Co.	New Orleans via Habana.	June 19	Linda S [21]	Surgeon Brothers	Bluefields, Nicaragua.
June 19	Toloa	United Fruit Co	Port Limon, Costa Rica.	June 19	Toloa	United Fruit Co	New York via Habana.
June 20	Wawa	Standard Fruit S. S. Co	Puerto Cabezas.	June 20	Cartago	United Fruit Co	New Orleans via wayports.
June 20	Calamares	United Fruit Co	New York via Habana.	June 21	Wawa	Standard Fruit S. S. Co.	Santa Marta, Colombia.
June 22	M. F. Benefit [20]	F. Britton	Colon, R. P.	June 22	M. F. Benefit [20]	F. Britton	Bluefields, Nicaragua.
June 22	Inapaquina [21]	United Fruit Co	Colon, R. P.	June 22	Inapaquina [21]	United Fruit Co	Colon, R. P.
June 22	Pearl Marie [20]	Henry Stephen	Colon, R. P.	June 22	Suriname	United Fruit Co	New Orleans, La.
June 22	Suriname	United Fruit Co.	Bocas del Toro, R. P.	June 22	Calamares	United Fruit Co.	Port Limon, Costa Rica.
June 22	Saramacca	United Fruit Co	New Orleans, La.	June 23	Santa Marta	United Fruit Co.	New York via Kingston.
June 22	Tivives	United Fruit Co	New York via Kingston.	June 23	Tivives	United Fruit Co.	Colombian ports.
June 22	Ancon	Panama Railroad S. S. Line	New York via Haiti.	June 23	Saramacca	United Fruit Co	Port Limon via Bocas.
June 22	Adalia	Hamburg-American Line	Hamburg via wayports.	June 23	Favorita	Standard Fruit S. S. Co	San Blas coast, R. P.
June 23	Santa Marta	United Fruit Co.	Colombian ports.	June 23	Adalia	Hamburg-American Line	Port Limon, Costa Rica.
June 23	Favorita	Standard Fruit S. S. Co	New Orleans, La.	June 25	Carare	Elders & Fyffes, Ltd	Kingston, Jamaica.
June 25	Favorita	Standard Fruit S. S. Co	San Blas coast, R. P.	June 25	Favorita	Standard Fruit S. S. Co.	New Orleans, La.
June 25	Carare	Elders & Fyffes, Ltd	Port Limon, Costa Rica.	June 25	Maravi	United Fruit Co	New York via Kingston.
June 25	Maravi	United Fruit Co.	Cartagena, Colombia.				

[20] Schooner. [21] Motor schooner.

PORT OF BALBOA.

June 21	A. O'Barrio [21]	A. Valdez	Panama Bay, R. P.	June 21	A. O'Barrio [21]	A. Valdez	Panama Bay, R. P.
June 21	Estrella [21]	A. Valdez	Panama Bay, R. P.	June 21	Estrella [21]	A. Valdez	Panama Bay, R. P.
June 24	Satanta	Standard Transp. Co. of Hongkong.	Los Angeles, Calif.				

* Other than ships passing through the Canal

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending June 25, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Toloa	United Fruit Co	June 19	June 19	11	11
Amazonas	Peruvian Line		June 19		310
Norwegian	Leyland Line		June 19		50
Pacific Trader	Furness, Withy & Co		June 19		556
Annie Johnson	Johnson Line	June 19	June 20	203	29
Rhodopis	Kosmos Line	June 19	June 20	209	10
Cartago	United Fruit Co	June 19	June 20	279	177
Westerdijk	Holland-American Line	June 19	June 20	32	206
Mincio	Italian Line	June 19		90	
Bologna	Italian Line		June 20		821
Lisbon Maru	Nippon Yusen Kaisha	June 20	June 21	115	(1)
Wawa	Standard Fruit S. S. Co	June 20	June 21	180	18
Calamares	United Fruit Co	June 20	June 22	394	4
Santa Ana	Grace Line	June 20	June 20	(2)	85
Breda	Royal Netherlands S. S. Co	June 21	June 22	379	22
Dos Hermanos	Isthmian Land & Fruit Co	June 21	June 21	17½	(1)
Surinamo	United Fruit Co	June 22	June 22	½	722
M. F. Penefit	F. Pritton	June 22	June 22	(2)	22
Ancon	Panama Railroad S. S. Line	June 22		3,899	
Oreoma	Pacific Steam Navigation Co	June 22	June 22	94	87
Saramacca	United Fruit Co	June 22	June 23	796	59
Tixives	United Fruit Co	June 22	June 23	204	793
Odenwald	Hamburg-American Line	June 22	June 23	(2)	151½
Adalia	Hamburg-American Line	June 22	June 23	216	221
Stella	Panama Mail S. S. Co	June 22	June 24	1,092	830
Santa Marta	United Fruit Co	June 23	June 23	(3)	10
Favorita	Standard Fruit S. S. Co	June 23	June 23	76	5½
Saint Jean	French Line	June 23	June 24	158	326
Cid	Pacific Steam Navigation Co	June 23	June 24	295	10
Essequibo	Pacific Steam Navigation Co	June 23	June 24	36	38
Vermont	French Line	June 24	June 24	29	64
Ares	Royal Netherlands S. S. Co	June 24	June 25	615	194
Grootendijk	Holland-American Line	June 24	June 24	(2)	43
Utacarbon	Union Oil Co	June 25		10,714	
Favorita	Standard Fruit S. S. Co	June 25	June 25	(2)	411
Maravi	United Fruit Co	June 25	June 25	81	127

[1] No cargo laded. [2] No cargo discharged. [3] 12 packages.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Two Weeks Ending June 25, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Kenowis	U. S. Army	June 10	June 11	921	86
George Washington	Peter Olsen	June 12	June 13	398	
Ario	Standard Transportation Co	June 12	June 13	9,991	
Toba Maru	Nippon Yusen Kaisha	June 13	June 14	488	
Craster Hall	U. S. Steel Products Co.	June 14	June 15	313	
Colombia	Panama Mail S. S. Co	June 15	June 15	3	1
Hampton Roads	Standard Transportation Co	June 15	June 16	11,461	
Anyo Maru	Nippon Yusen Kaisha	June 15	June 15	217	
Argun Maru	Osaka Shosen Kaisha	June 16	June 16	68	
Santa Louisa	Grace Line	June 16	June 16	1	
H. M. Storey	Standard Oil Co	June 16	June 17	15,226	
Cambrai	U. S. Army	June 16	June 18		111
Amasis	Kosmos Line	June 18	June 19	827	
Norfolk	Federal Steam Navigation Co	June 18	June 19	33	
Chiman	Isthmian Land & Fruit Co	June 18	June 20		7
City of Panama	Panama Mail S. S. Co	June 19	June 19		12
Santa Ana	Grace Line	June 20	June 20		1
Lisbon Maru	Nippon Yusen Kaisha	June 20	June 20	102	
Edna Christensen	Sudden & Christensen	June 20	June 21	164	
Fordefjord	Norway-American Line	June 20	June 22	685*	
Eurana	Planet S. S. Corporation	June 21	June 22	156	
Stella	Alf Jakhelln	June 21	June 22	1	
Breda	Royal Netherlands S. S. Co	June 22	June 22	106	
Florence Luckenbach	Luckenbach Line	June 24	June 24		316
Satanta	Standard Transportation Co	June 24	June 26	6,252	

THE PANAMA CANAL RECORD

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., July 6, 1927. No. 48.

Record Number of Canal Transits and Tons of Cargo in Year.

Transits of commercial vessels through the Panama Canal in the fiscal year ending June 30, 1927, totaled 5,475. This established a new high record for number of commercial transits, as compared with the previous record of 5,420 for the calendar year ending December 31, 1926.

Another record established during the past fiscal year was the amount of cargo carried. The total quantity of cargo amounted to 27,748,215 long tons, an increase of .58 per cent over the previous high record of 27,586,051 long tons carried in the calendar year 1926.

Tolls collected during the fiscal year ending June 30, 1927, amounted to $24,228,830.11, falling short a little more than $62,000 of the $24,290,963.54 collected during the fiscal year 1924, which still remains as a record year for tolls. However, the fiscal year 1927, is the second largest since the opening of the Canal with respect to this item and is the second 12-month period in which tolls have exceeded $24,000,000.

From the opening of the Panama Canal to traffic August 15, 1914, to the close of business on June 30, 1927, a total of 40,377 commercial vessels have transited the Canal, paying $166,363,228.06 in tolls.

The Governor of The Panama Canal, in referring to the year's traffic, stated:

"The employees operating the Panama Canal are of course gratified at the splendid use which the world's shipping is making of the Canal, and at the business-like return on its investment which the nation is earning. We look forward to continued growth of the traffic and to care for it have made recommendations to the Government for prompt beginning of the additional water storage reservoir at Alhajuela, which will be necessary possibly within a few years in order to have ample water for navigation during the dry season. This need was explained in my last annual report and has also been explained before committees of Congress."

Commercial Traffic in June, 1927, and Fiscal Year 1927.

During the month of June, 455 commercial vessels and 15 small launches transited the Canal. Tolls on the commercial vessels aggregated $1,970,377.97, and on the launches $136, or a total tolls collection of $1,970,513.97.

The daily average number of transits during the month was 15.16, and the average tolls collection $65,679.26. The average amount of tolls paid by each of the commercial transits was $4,330.50, as compared with $4,385.41 for the month of May.

In the following tabulation the number of commercial transits and the amount of tolls collected are shown for the fiscal year 1927, by months, with the daily average of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
July	456	$1,980,719.67	14.71	$63,894.18
August	464	2,055,041.91	14.96	66,291.67
September	446	2,019,626.42	14.86	67,320.88
October	445	1,989,213.93	14.36	64,168.19
November	428	1,889,001.11	14.26	62,966.70
December	458	1,996,036.72	14.77	64,388.28
January, 1927	443	1,984,760.71	14.29	64,024.54
February	449	1,994,860.82	16.03	71,245.03
March	496	2,217,913.20	16.00	71,545.59
April	464	2,065,206.92	15.46	68,840.23
May	471	2,066,070.73	15.19	66,647.44
June	455	1,970,377.97	15.16	65,679.26
Totals	5,475	24,228,830.11	15.00	66,380.36

New Commissary Plant.

Construction of a new warehouse, checking-in shed and General Manager's office for the Commissary Division at Mount Hope is well under way. The plans provide for a 3-story warehouse, 483 feet by 123 feet, checking-in shed, 120 feet by 70 feet, and an office, 80 feet by 60 feet. The cost of the entire project, including design, roads, tracks, equipment, elevators, furniture, etc., is estimated at $1,096,091.

The warehouse will house a new modern bakery, coffee roasting and packing plant, and the wholesale groceries, dry goods, hardware, and shoe departments of the commissary. When completed, all of the wholesale, shipping and distributing units will be concentrated at Mount Hope.

It is intended to assign the concrete warehouse at Cristobal, occupied at present by the Commisssary Division, to The Panama Canal Press, after remodeling the building for use as a printing plant.

United States Intercoastal Traffic by Commodities for May, 1927.

The following table shows the cargo carried through the Canal in the United States intercoastal trade, segregated by commodities and by direction, with the totals for May, 1927, and the totals for May, 1926, and 1925. Cargo statistics are compiled from cargo declarations submitted by masters of vessels, and in these declarations small items are frequently grouped under the designation of "General Cargo." These statistics are accordingly not precise but they are indicative of the kind and quantity of the cargo in transit through the Canal. The figures represent tons of 2,240 pounds, and are for the United States intercoastal trade only:

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Agricultural implements	429	.....	429
Asphalt	205	754	959
Automobiles	95	91	186
Automobile accessories	440	248	688
Beans	.....	2,484	2,484
Borax	.....	1,300	1,300
Bricks	110	...	110
Calcium carbide	28		28
Canned goods:			
Fish	29	5,342	5,371
Fruit	454	9,254	9,708
Meat	162	.....	162
Soup	762	.....	762
Vegetables	814	3,225	4,039
Celite filtercel	.....	675	675
Cement	1,621	320	1,941
Charcoal	.....	100	100

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Chemicals	1,336	.....	1,336
Coal	4,705	.....	4,705
Coffee	105	.....	105
Cold storage:			
Lard	266	.....	266
Tallow	.....	100	100
Confectionery	200	.....	200
Cork	132	.....	132
Cotton	111	1,693	1,804
Cyanide	607	.....	607
Drugs	124	.....	124
Flour	.....	2,488	2,488
Fruit:			
Fresh	160	1,262	1,422
Dried	.....	6,783	6,783
Furniture	250	.....	250
General	78,033	19,803	97,836
Glass	587	385	972
Hardwoods	658	.....	658
Hay	.....	1,140	1,140
Hemp	.....	217	217
Infusorial earth	.....	225	225
Ink	165	.....	165
Jute	.....	60	60
Lumber	441	215,061	215,502
Manufactured goods:			
Iron and steel	140,320	1,201	141,521
Machinery	3,791	.....	3,791
Railroad material	1,122	.....	1,122
Textiles	4,619	182	4,801
Other	226	.....	226
Metals:			
Copper	.....	8,524	8,524
Iron	515	.....	515
Scrap	169	1,002	1,171
Tin	9,287	82	9,369
Milk, powdered	.....	600	600
Oils:			
Crude	.....	139,864	139,864
Gas and fuel oil	.....	94,109	94,109
Gasoline, benzine, and naphtha	.....	105,243	105,243
Lubricating and greases	4,052	.....	4,052
Vegetable	150	.....	150
Ore, magnesite	.....	2,026	2,026
Paint	100	.....	100
Paper	5,290	2,041	7,331
Peanuts	.....	125	125
Phosphates	2,090	.....	2,090
Porcelain	125	3	128
Potash	309	.....	309
Rags	.....	210	210
Rice	83	618	701
Rosin	721	.....	721
Rubber:			
Manufactured	2,791	.....	2,791
Raw	100	.....	100
Scrap	.....	445	445
Salt	35	.....	35
Seeds:			
Cotton	.....	210	210
Hemp	.....	100	100
Other	.....	386	386
Shells, oyster	1,574	.....	1,574
Silk	.....	100	100
Skins and hides	.....	2,249	2,249
Slate	180	.....	180
Soap	1,519	.....	1,519
Soda, ash	468	.....	468
Soda, caustic	425	.....	425
Sugar	802	1,424	2,226
Sulphur	750	.....	750
Syrup	59	116	175
Tobacco	974	.....	974
Turpentine	445	.....	445
Vegetables	.....	824	824
Wax	19	200	219
Wool	.....	3,342	3,342
Totals, May, 1927	276,139	638,236	914,375
Totals, May, 1926	256,705	705,847	962,552
Totals, May, 1925	203,304	491,096	694,400

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, July 2, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Rimutaka	25	16 43	26	6 02	26	13 34	26	19 20	British	N. Z Shipping Co	457 0	58 0	26 0	London, England	Wellington, N. Z	General	5,518	9,201	6,961
Mincio	20	6 55	26	6 08	26	13 35	26	14 45	Italian	Navigazione Generale Italiana.	382 7	48 3	16 2	Genoa, Italy	Valparaiso, Chile	General	1,526	5,544	3,838
Indiana	25	6 10	26	7 05	26	14 25	26	15 37	French	French Line	418 0	53 0	24 0	Havre, France.	Vancouver, B. C.	General	3,949	7,157	4,936
Epoca [2]	25	14 12	26	7 16	26	16 10	26	17 45	Norwegian	Ricardo Holgain.	213 0	35 0	11 8	Cispata, Colombia	Buenaventura, Col.	Cattle	150	1,218	742
Sutorpeo.	26	00 25	26	7 45	26	15 33	26	17 45	American	Transmarine Lines	324 0	46 2	22 0	Houston, Texas.	Tacoma, Wash	Pipe, general.	3,322	3,984	2,612
Swiftflight [1]	25	19 50	26	8 50	26	16 25	26	21 25	American	C. D. Mallory & Co.	464 0	60 0	18 0	Fall River, Mass.	Los Angeles, Calif	Ballast		8,473	6,050
Anglo Indian.	26	5 30	26	9 00	26	16 48	26	18 12	British	Anglo S. S Co	425 6	59 5	17 0	Oran, Africa	Arica, Chile	Ballast		7,130	5,322
Baldbutte [1]	26	10 50	26	11 00	26	17 42	26	18 45	American	McAllister Bros. (S.B.)	420 0	56 2	18 0	Norfolk, Va.	Los Angeles, Calif	Ballast		6,706	4,693
Ikala	26	5 55	26	12 20	26	20 00	26	21 25	British	N. Z. Shipping Co	385 0	48 7	20 10	Montreal, Canada	Melbourne, Aust'ia	General	3,005	4,682	3,401
Utacarbon [1]	25	20 35	27	6 05	27	13 30	27	14 50	American	Union Oil Co	435 0	56 0	19 2	Cristobal, C. Z.	Los Angeles, Calif	Ballast		7,482	5,209
Northland [3]	26	15 12	27	6 28	27	14 23	30	17 50	American	U. S. Government	200 0	39 0	15 0	Norfolk, Va.	San Francisco Cal.				
Point Montara	26	15 22	27	6 09	27	14 30	27	15 45	American	Swayne & Hoyt	324 0	46 3	25 2	New Orleans, La.	Seattle, Wash	General	4,245	3,984	2,612
Frank Lynch [2]	26	20 25	27	7 29	27	14 48	27	21 49	American	Texas Gulf Sulphur Co	252 0	43 5	18 7	Galveston, Texas	Ocean Falls, B. C.	Sulphur	2,476	2,283	1,369
Empire Arrow [1]	27	6 05	27	8 30	27	15 48	27	20 19	American	Standard Transp. Co.	468 3	62 7	19 0	Boston, Mass.	Los Angeles, Calif	Ballast		9,841	6,946
Raby Castle	27	8 55	27	9 15	27	16 23	27	18 45	British	Barber S. S. Line	399 8	52 4	22 0	New York, N. Y.	Manila, P. I.	General, case oil.	5,551	6,805	5,040
Padilla	26	18 00	27	12 25	27	20 50	27	20 35	Colombian.	Colombian S. S. Co	247 2	43 5	18 0	Pt. Colombia, Col	Tumaco, Colombia.	Salt, beer, gen.	1,714¾	2,206	1,506
Susherico	27	12 22	27	12 35	27	20 46	28	3 29	American.	Transmarine Lines	324 0	46 2	22 0	Newark, N. J.	San Francisco, Cal.	General	3,000	3,984	2,628
Cathwood [1]	26	15 38	27	13 00	27	19 40	27	20 45	American	Union Oil Co	435 0	56 0	18 0	Cristobal, C. Z	Los Angeles, Calif	Ballast		7,482	5,143
Nebraska	27	6 45	27	13 15	27	21 40	27	22 40	British	Royal Mail S. P. Co	450 0	58 0	18 8	Rotterdam, Holland	Vancouver, B. C.	General	1,456	8,878	6,588
Orinoco.	27	13 14	27	14 25	27	22 25	27	23 42	American	Oriental Navigaton Co	377 0	52 0	20 0	Philadelphia, Pa.	Portland, Oreg.	General	3,661	5,455	3,902
No. 324 [4]	26	9 50	28	6 07					American	U. S. Navy	310 0	31 0	12 6	Bluefields, Nic'gua.	Gatun Lake, C. Z.				
No. 322 [4]	27	16 15	28	6 07					American	U. S. Navy	310.0	31.0		Bluefields, Nic'gua.	Gatun Lake, C. Z.				
Iossifoglu [2]	20	21 30	28	6 07	28	13 09	28	19 15	British	W. A. Souter & Co.	400 0	53 6	13 6	Algiers, Africa.	Los Angeles, Calif	Ballast		6,903	5,185
Erfurt [2]	26	6 30	28	7 30	28	14 03	28	15 25	German	Roland Line	360 6	51 0	20 0	Hamburg, Germany	San Francisco, Cal.	General	3,468	5,038	3,533
Lautaro [2]	26	23 20	28	7 20	28	15 17	28	22 20	British	Pacific Steam Nav. Co	399 1	52 2	20 7	Hull, England	Coronel, Chile	General	4,578	6,759	4,840
Reyo Maru	27	16 05	28	8 15	28	16 01	28	17 25	Japanese.	Toyo Kisen Kaisha	400 0	53 0	25 6	Boca Grande, Fla.	Osaka, Japan	P'phate, cotton.	7,281	6,310	4,598
Venice Maru	27	16 25	28	8 30	28	16 09	28	17 25	Japanese.	Kawasaki Dockyard Co.	405 0	53 0	20 0	New York, N. Y.	Kobe, Japan	General, cotton.	2,720	7,025	5,025
Steelmaker.	27	17 30	28	9 50	28	16 49	28	18 00	American	Isthmian S. S. Lines	395 6	55 0	27.3	Baltimore, Md	Tacoma, Wash	Steel, general.	8,552	7,330	5,245
Ashbee [2]	27	16 45	28	10 25	28	18 05	28	23 47	American	Grace Line	333 8	48 0	19 5	New York, N. Y.	Chancay, Peru	General	2,456	4,101	2,751
West Mahwah	28	00 15	28	10 50	28	18 00	28	19 15	American	McCormick S. S. Co	410 3	54 0	23 0	Buenos Aires, Arg.	San Francisco, Cal.	Gen., coffee, etc.	6,913	6,586	5,049
Willfaro	28	11 05	28	11 40	28	19 03	28	20 37	American	Williams S. S. Line	386 8	52 2	19 0	Baltimore, Md	Tacoma, Wash	General	4,664	5,684	4,070
Eleanor Christensen	28	14 00	28	14 10	28	21.36	28	20 57	American	Sudden & Christensen.	410 5	54 3	20 0	Baltimore, Md	San Francisco, Cal.	General	4,962	6,572	4,788
Sciota [5]			28	6 07	28	15 20			American	U. S. Navy	149 3	30 0		Cristobal, C. Z.	Balboa, C. Z				
Pacific Spruce	28	15 37	29	6 20	29	13 18	29	14 40	American	Ocean Transport Co	410 0	54 0	16 0	Baltimore, Md	Seattle, Wash	General	923	6,624	4,877
John D Archbold [2]	28	18 10	29	7 12	29	15 15	29	16 30	American	Standard Oil Co	554 9	75 3	22 0	New York, N. Y.	Los Angeles, Calif	Ballast		14,785	10,313
Watertown [1]	29	10.22	29	10 35	29	17 23	29	21 44	American	Cities Service Corp	416 9	56 2	18 0	New York, N. Y.	San Francisco, Cal.	Ballast		6,717	4,778

[1] Tanker. [2] Motor ship. [3] Coast Guard Cutter. [4] Destroyer. [5] Tug. [6] Towing barge No. 2.

San Fabian [1]	29	12.00	29	12 30	29	19.29	29	23 40	British	Anglo-Mexican Pet. Co.	530.5	69 4	22 6	London, England	Los Angeles, Calif	Ballast		13,554	9,614
Robert Luckenbach	29	11 15	29	13 25	29	20.15	29	21 44	American	Luckenbach Line	445 0	58 0	23.5	Boston, Mass	Seattle, Wash	General	7,117	8,695	6,375
Mericos H. Whittier [1]	29	13.15	29	13 35	29	21.09	29	23 15	American	Associated Oil Co	437.0	56.0	19 0	New York, N. Y.	San Francisco, Cal.	Ballast		7,426	5,156
Willa Crosby [2]	29	11 45	29	14.05	29	22 12	30	13 20	American	Crosby Marine Corp	250 5	43 5	18.0	Philadelphia, Pa.	San Francisco, Cal.	General	2,054	2,373	1,655
L-55 [7]	28		29		29				American	U. S. Army				Cristobal, C. Z.	Balboa, C. Z	Towing barge			
Santa Teresa	29	17 30	30	6.15	30	12.57	30	17 30	American	Grace Line	360.2	51.6	23 6	New York, N. Y.	Talcahuano, Chile	General	2,703¼	5,726	4,086
El Panquiaco [8]	30	6.10	30	6.10	30	14 07	7-1	14 40	Panaman	Panaman Government	125.0	23 0		Colon, R. P.	Panama, R. P.				
Montanan	30	1 35	30	6 25	30	13 20	30	14 40	American	Amer.-Hawaiian Line	404 6	53 0	21 8	New York, N. Y.	Seattle, Wash	General	4.594	6,756	4,775
Franklin K. Lane [1]	28	23.10	30	7 15	30	16 15	30	17 30	American	Huasteca Petroleum Co.	435.0	56.2	19.0	Norfolk, Va.	Los Angeles, Calif.	Ballast		7,405	5,131
Zrinski	30	10 35	30	10 45	30	18 21	30	19 50	Yugoslav	Faburizza & Co.	399 6	53 0	25 6	Blyth, England.	Iquique, Chile.	Coal and bricks	6,850	6,207	4,536
Denver [9]	30	10 50	30	11 00					American	U. S. Navy	292 0	44 0	16 0	Bluefields, Nic'gua.	Gatun Lake, C. Z.				
Dos Hermanos [10]	29	17.20	30		30	18.16	30	18.46	Panaman	Isth. Land & Fruit Co.	35 0	12.0		Cristobal, C. Z.	Balboa, C. Z.	Ballast		17	13
Salvador	26	17.24	7-1	5 55	7-1	13.03	7-1	17 45	British	Pacific Steam Nav. Co.	215.0	33.5	17.2	Cristobal, C. Z	Champerico, Guat	General	1,134	1,270	735
Sonora	27	7.50	1	6 17	1	14.02	1	15 45	French	French Line	388 7	54.0	15.10	Havre, France	Talcahuano, Chile	General	302	6,394	4,464
President Adams	7-1	5.25	1	7 17	1	14.51	2	00.35	American	Dollar Line	502.1	62.2	27.0	New York, N. Y.	San Francisco, Cal.	General	3,553	12,057	8,457
London Merchant	30	9.55	1	7.30	1	15.14	1	21.32	British	Furness-Pacific Line	450.4	58.1	17.5	Manchester, Eng.	Vancouver, B. C.	General, bananas	1,754	8,416	5,914
E. J. Sadler [1]	1	1 00	1	8.43	1	15.48	1	17.05	American	Standard Oil Co	500 0	68.0	22.0	New York, N. Y.	Los Angeles, Calif	Ballast		11,020	7,988
William Rockefeller [1]	1	2.10	1	8.50	1	16.25	1	17.45	American	Standard Oil Co.	554.9	75.3	22.0	New York, N. Y.	Los Angeles, Calif	Ballast		14,785	10,313
Lebore	1	7.42	1	9.45	1	17.05	2	00.20	American	Ore S. S. Corp.	549.0	72.0	20.9	Baltimore, Md.	Cruz Grande, Chile	Ballast		14,325	4,635
Chiman [2]	30	15.54	1	9.15	1	17.29	2	14 20	Panaman	Isth. Land & Fruit Co.	116 0	21.0	7.3	Cristobal, C. Z.	Buenaventura, Col.	Ballast		211	124
Broad Arrow [1]	1	8.10	1	10.00	1	17.26	1	23.25	American	Standard Transp. Co.	467.6	72.7	19.0	Baltimore, Md.	Los Angeles, Calif	Ballast		9,700	6,842
Algonquin [1]	1	8.47	1	11.05	1	18.09	2	1.38	American	Standard Transp. Co.	435.0	56.0	18.8	New York, N. Y.	Los Angeles, Calif.	Ballast		7,602	5,337
Stagpool	1	7.17	1	12.18	1	19.36	2	4.55	British	Sir R. Ropner	351.5	53 1	16 0	Newcastle, England	Arica, Chile	Ballast			
Taketoyo Maru	1	10.00	1	12 40	1	20.25	1	21.32	Japanese	Nippon Yusen Kaisha	445 0	58 0	26 5	Baltimore, Md.	Moji, Japan.	General	8.226	7,972	5,687
Lena Luckenbach	1	13.03	1	13.15	1	21.14	1	22.20	American	Luckenbach Line	425 0	53 8	25 0	New Orleans, La	Seattle, Wash.	General	6,315	7,217	5,295
Sciota [5]	30	15 52	1	6.05	1	12.59			American	U. S. Navy	149.3	30 0		Cristobal, C. Z	Balboa, C. Z.	Ballast			
Manchester Merchant	1	15.00	2	6.15	2	13.43	2	14.50	British	N. Z. Shipping Co	360.0	48.0	25 2	Swansea, England	Brisbane, Australia	General	5.393	4.589	3,217
Amerikaland [2]	2	5.30	2	7.25	2	14.42	2	19 55	Swedish	Ore S. S. Corp.	561.1	72.2	22 0	Baltimore, Md.	Cruz Grande, Chile	Ballast		15,560	4,496
Atreus	2	00.55	2	8 25	2	15.50	2	17.15	British	Alfred Holt & Co	446 5	52.8	27.0	New York, N. Y.	Darien, China	(11)	4,749	6,942	4,849
Dunedin [9]	2	8.05	2	9.45	2	16.07	6	7.33	British	British Government	445 0	46 0	15 0	Kingston, Jamaica.	Nukuhiva, Marquesas Island.				
Santa Cecilia	2	6.52	2	9.45	2	17.10	2	18 30	American	Argonaut S. S. Line	404.6	53 9	25.0	New York, N. Y.	Seattle, Wash.	Steel, general.	7.933	6,745	4,562
Calonne	2	6.05	2	11 00	2	18.30	2	20.52	French	Comp. Francais-de-Mer. de Comm.	385.0	51 2	25 0	Dunkirk, France.	New Caledonia	General	4,967	5,878	4,335
Nembrou [5]	2	6.05	2	11 00	2	18.25	2	20.52	French	Soc. Anonyne le Nickel.	64 5	15.8	7.0	Dunkirk, France.	New Caledonia	Ballast		64	12
Tamaroa	2	11.15	2	11 53	2	19.38	3	13.40	British	Shaw, Savill & Albion	500 4	63.0	28 6	London, England	Auckland, N. Z.	General	3,225	13,592	9,383

[1] Tanker. [7] Launch. [8] Transport. [9] British cruiser. [10] Motor schooner. [11] Iron pipes, machinery, oil, and general.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Emidio [1]	25	21.00	26	6.08	26	14.40	26	14.40	American	General Petroleum Co	435.0	56.2	27.16	Los Angeles, Calif.	Baltimore, Md	Gasoline	8,865	7,433	5,089
Dixie Arrow [1]	25	18.50	26	7.09	26	16.12	26	16.12	American	Standard Transp. Co.	468.3	62 7	23.5	San Francisco, Cal.	New York, N. Y.	Gas, oil	12,842	9,744	7,140
Cathwood [1]	25	21.00	26	7.59	26	15.38	27	13.00	American	Union Oil Co.	435.0	56 0	29 6	Los Angeles, Calif.	Cristobal, C. Z.	Gas, lub. oil	10,078	7,482	5,143
Salvador	26	00.05	26	8.52	26	17.24	7-1	5.55	British	Pacific Steam Nav. Co.	215.0	33.5	14.5	Champerico, Guat	Cristobal, C. Z.	(12)	504	1,270	735

[1] Tanker. [12] Coffee, sugar, and wood.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.—continued.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day	Hour.	Day.	Hour.	Day	Hour.	Day.	Hour.								Nature.	Tons	Gross	Net.
Diana Dollar.	26	8 45	26	9 39	26	18 15	26	18 15	American	Dollar Line	429 0	55 2	29.0	San Francisco, Cal.	New York, N. Y.	Lumber, general.	8,465	7,581	5,521
Marthaca	26	14 25	27	6 13	27	13 32	27	13 32	British	Mackay & McIntyre..	495 0	52.25	23 6	Iquique, Chile...	Wilmington, N. C	Nitrate of soda	7,530	5,629	4,133
Sachsenwald	27	4 00	27	7 13	27	17 26	28	11 57	German	Hamburg-American Line	383 7	49 7	23 10	Callao, Chile.	New York, N. Y..	Copper	6,665	4,931	3,610
Libro	27	5 00	27	8 17	27	14 22	27	22 20	British	Pacific Steam Nav. Co.	450.35	57.86	22 5	San Antonio, Chile.	New York, N. Y.	General	3,091½	9,291	6,301
Erviken	27	6.20	27	8 55	27	18 25	27	23 49	Norwegian.	Haakon J. Wallem....	420.0	54.0	28.0	Vancouver, B. C.	Bremen, Germany.	Lead, zinc, lum.	9,445	6,979	5,131
Henry S. Grove	27	5 15	27	9 16	27	18 30	27	18 30	American	Argonaut Lines.	404 5	53.95	26 0	Portland, Oreg	Baltimore, Md	Lumber, ore.	6,606	6,755	4,688
Husvik [1]	22	15 00	27	10 14	27	19 45	27	19 45	Peruvian.	Compania Ballenera...	250 6	40 2	17 0	Callao, Peru	New York, N. Y.	(19)	1,431		
Santos [1]	27	10 00	27	10 56	27	19 15	28	1 20	Swedish	Johnson Line.	364.9	57.5	24 5	Vancouver, B. C.	London, England	General	5,876	5,391	4,033
Athelfoam [1].	27	12 48	27	13 30	27	22 15	28	00 30	British	British Molasses Co.	400 0	52 13	26 8	Los Angeles, Calif	United Kingdom.	Fuel oil	7,634	6,063	4,112
Tongariro.	27	5.45	27	14 59	27	22 40	27	22 40	British	N. Z. Shipping Co	460 5	62.75	23.3	Auckland, N. Z.	London, England	Frozen, general.	5,476	10,817	7,585
Sciota [15]			27	6 44	27	13 25	28	6 07	American	U. S. Navy	155 0	30.0		Balboa, C. Z	Cristobal, C. Z				
Lillian Luckenbach	27	20 10	28	6 13	28	14 00	28	14 00	American	Luckenbach Line	474 0	60 2	30.0	Portland, Oreg.	Boston, Mass	Lumber, general	8,254	9,294	6,865
Perene	28	1 20	28	8 03	28	16 25	2	2 00	Peruvian.	Peruvian Line	284 1	39 1	19 0	Callao, Peru	New York, N. Y.	General	2,565	2,168	1,529
Oregonian	28	9 00	28	9 45	28	17 12	28	17.12	American	Amer.-Hawaiian Line	404 6	53.95	24.0	Portland, Oreg.	Boston, Mass	General	5,400	6,754	4,870
Hague Maru	28	2 00	28	12.33	28	19.28	28	19.28	Japanese	Osaka Shosen Kaisha..	407.25	50.83	23.10	Shanghai, China...	New York, N. Y...	Sugar, general.	4,345	6,593	4,772
Antinous	28	11.55	28	13.15	28	21.00	29	1.05	French	Messageries Mari. Co..	413.74	56.09	20.0	Noumea, N. Calid.	Marseilles, France.	Copra, general.	2,675	76.43	5,364
L-55 [16]			28	6.53	28	16.20	29		American	U. S. Army.				Balboa, C. Z.	Cristobal, C. Z.				
Willkeno.	28	14 40	29	6.19	29	13 25	29	13 25	American	Williams S. S. Line	415.0	55.7	24.6	Seattle, Wash	New York, N. Y..	Lumber, general.	7,981		
Ferndale [11]	28	20.50	29	7.19	29	14.20	29	15.18	Norwegian.	Fern Line	382.7	53.4	26.3	Bangkok, Siam	Cienfuegos, Cuba..	Rice	7,350	6,082	4,222
Orient	29	00.30	29	8.02	29	17.05	29	17.05	American	Oriental Navigation Co.	376 4	52 3	24.3	Aberdeen, Wash.	Philadelphia, Pa.	Lumber, mach'y.	4,429	5,455	3,879
Almelo.	29	1.00	29	8.42	29	18 33	30	00 15	Dutch	Royal Neth. S. S. Co..	440 0	62.8	26.0	Talcahuano, Chile	Hamburg, Germany	General	9,857	9,403	6,655
Gulfstate [1]	29	1 45	29	9.46	29	18 22	29	18.22	American	Gulf Refining Co	435.0	56 0	28.4	Los Angeles, Calif.	Philadelphia, Pa..	Crude oil	10,097	7,643	5,324
Canadolite [1] [14]	29	4.30	29	10.04	29	19.10	29	19.10	British	Imperil Oil Co., Ltd.	510.9	58 25	29.10	Talara, Peru	Halifax, N. S.	Crude oil	16,050	11,556	7,658
Kotonia	29	6 30	29	10.40	29	20 40	29	23.45	Danish	Isbrandtson Moller Co.	282.2	42.1	17.2	Seattle, Wash.	Tampico, Mexico.	Boxes, hoops.	2,200	2,697	1,919
Targis	29	7 30	29	10 45	29	19 50	30	14.45	German	Roland Line	428 86	55.01	24.10	Corral, Chile	Hamburg, Germany	General.	8,120	7,533	5,413
Dos Hermanos [17]	29	7 00	29	7.46	29	17 45	30	11.00	Panaman	Isth. Land & Fruit Co..	49.0	12.0		El Real, R. P.	Cristobal, C. Z.	Bananas.		17	13
Nueva Espana [17]	28	22.30	29	10 03	29	18 00	30	15.15	Panaman.	Juan Diez	79.0	11.6	6.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee, hides.	25	57	34
Camden [1]	29	11 45	29	12 22	29	20 35	29	23.20	American.	United Fruit Co.	419.5	56 5	26.0	Los Angeles, Calif	Tela, Honduras..	Fuel oil	8,854	6,977	4,959
Orbita	29	7 00	29	13.29	29	22.40	30	4.25	British	Pacific Steam Nav. Co.	550.3	67.35	29.9	Coronel, Chile.	Liverpool, England	(19)	6,030	16,841	11,728
Swifteagle [1]	29	13 40	29	14.44	29	23 05	29	23.05	American	C. D. Mallory & Co...	464 65	60.2	28.6	Los Angeles, Calif.	Bayonne, N. J.	Crude oil	11,068	8,473	6,134
Paul Shoup [1].	29	17 30	30	6 00	30	14 25	30	14 25	American.	Associated Oil Co.	434.4	58.2	26.6	San Francisco, Cal.	Warner, N. J.	Gasoline	10,000	7,333	5,182
Mantaro	29	14 30	30	7.11	30	15 05			Peruvian.	Peruvian Line	367 3	46.0	20.6	Callao, Peru	Cristobal, C. Z.	(20)	2,335	4,838	2,959
Chiman [13]	30	1 00	30	7 03	30	15 54	7-1	9.15	Panaman	Isth. Land & Fruit Co..	116 0	21.1	9.9	Buenaventura, Col.	Cristobal, C. Z	Coffee	248	211	124
Editor	29	23 10	30	12 14	30	19 35	30	19.35	American	American-Pioneer Line.	402.6	54.08	27.0	San Carlos, P. I.	New York, N. Y.	Sugar, copra.	8,198	6,934	5,102
Witram.	30	11 55	30	12 57	30	21 20	30	22 55	German	North German Lloyd.	449 1	58 22	25.6	Vancouver, B. C.	Antwerp, Belgium	General	7,725	7,820	5,661
Dochet	30	12 15	30	13 30	30	21 45	30	21 45	American	Finkbine, Guild Tr. Co.	386 8	52 2	24 0	San Francisco, Cal.	Mobile, Ala	Lumber, general.	6,300	5,705	4,167
Toluma.	30	12 50	30	14.11	30	23.25	7-1	00 50	Norwegian.	Grace Line	417.8	54 45	29 0	Bahia Blanca, Arg	New York, N. Y.	(21)	9,105	7,176	5,219
Sciota [15]			30	7 21	30	15 52	1	6.05	American	U. S. Navy	155.0	30 0		Balboa, C. Z	Cristobal, C. Z.				

[1] Tanker. [13] Auxiliary schooner. [14] Motor ship. [15] U. S. Navy tug. [16] U. S. Army launch. [17] Motor schooner. [18] Copper and silver ore. [19] Copper, cotton, tin, oats, and nitrate.
[20] Copper, cotton, cocoa, etc. [21] Nitrate, copper, and manganese.

Bethore	30	14	10	30	15.53	7-1	14.15	7-1	14	15	American	Ore S. S. Corp.	550	3	72.2	34	0	Cruz Grande, Chile	Baltimore, Md.	Iron ore	19.800	15,476	4,354
No. 318 [22]				30		30	9.50	1	9.30		American	U. S. Navy	310.0		30.11			Gatun Lake, C. Z.					
Astral [1]	30	23	33	7-1	5.50	7-1	16.45	1	16.45		American	Standard Transp. Co.	439.5		58.0	28	0	Los Angeles, Calif.	Providence, R. I.	Gasoline	9,372	8,728	5,706
Hadnot [1]	30	16.40	1	7.15	1	17.25	1	17.25		American	Cities Service Trans. Co.	416.9		56.2	29	0	Los Angeles, Calif.	New York, N. Y.	Crude oil	11,090	6,706	4,639
Ecuador	30	16	30	1	11.40	1	18.40	2	15.30		American	Panama Mail S. S. Co.	380	6	48.7	26	0	San Francisco, Cal.	New York, N. Y.	General	3,227	5,926	4,175
El Lobo [1]	30	6.00	1	12.09	1	19.40	1	19.35		British	C. T. Bowring & Co.	385.2		51.0	26	6	Lobitos, Peru	New York, N. Y.	Crude oil	6,234	4,851	3,326
Capto	7-1	6.00	2	6.00	2	14.20	3	7.48		Norwegian	Canadian-Amer. Ship. Co	376.1		52.3	22	0	Vancouver, B. C.	New York, N. Y.	([23])	5,600	5,077	3,647
Arizonan	1	21.35	2	8.07	2	16.00	2	16.00		American	Amer.-Hawaiian Line	470.1		57.2	29	10	Seattle, Wash.	Baltimore, Md.	Lumber, general	8,924	9,141	6,684
Canadian Scottish	2	3.30	2	9.03	2	16.40	3	00.38		British	Can. Gov. Mer. Marine	399.9		52.2	17	10	Sydney, Australia	Montreal, Canada	General	1,112	5,905	5,129
Cauca [17]	2	10.00	2	11.02	2	19.50				Colombian	Compania Inter'l Nav.	107.48		22.87	10	10	Buenaventura, Col.	Cristobal, C. Z.	Coffee, hides	273	238	163
Knute Nelson [11]	2	10.45	2	11.27	2	18.45	3	10.10		Norwegian	Peter Olsen	436.9		56.2	28	4	Vancouver, B. C.	Southampton, Eng.	General	8,715	8,016	5,854
Suverie	2	12.05	2	12.54	2	20.45	2	20.45		British	Andrew Weir & Co.	460.0		55.1	26	11	Iquique, Chile	Alexandria, Egypt	Nitrate	9,838	8,271	6,249

[1] Tanker. [22] Destroyer. [23] Lumber, scrap rubber, and hides. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
June 26	Parismina	United Fruit Co	New Orleans via Habana
June 26	Calamares	United Fruit Co	Port Limon, Costa Rica.
June 27	Pastores	United Fruit Co	New York via Habana.
June 27	Bienvenido	P. N. & J. N. Carranza	Ciudad Bolivar.
June 28	Linda S [24]	Surgeon Brothers	Colon, R. P.
June 29	Coppename	United Fruit Co	New Orleans, La.
June 29	Macoris	French Line	St. Nazaire via wayports.
June 29	Sixaola	United Fruit Co	New York via Kingston.
June 30	Saramacca	United Fruit Co	Port Limon, Costa Rica
June 30	Virginia	Standard Fruit S. S. Co	New Orleans, La.
June 30	Tivives	United Fruit Co	Cartagena, Colombia.
June 30	Inapaquina [24]	United Fruit Co	Colon, R. P.
July 1	Dorelian	Leyland Line	Liverpool via wayports.
July 2	Virginia	Standard Fruit S. S. Co	San Blas, R. P.
July 2	San Jose	United Fruit Co	New York via wayports.
July 2	Teutonia	Hamburg-American Line	Hamburg via wayports.
July 2	Macabi	United Fruit Co	New York via wayports.
July 2	U. D. Vinton [25]	G. I. Bryan	Colon, R. P.

* DEPARTURES.

Date.	Vessel.	Line.	For—
June 26	Calamares	United Fruit Co	New York via Habana.
June 27	Parismina	United Fruit Co	New Orleans via wayports.
June 28	Bienvenido	P. N. & J. N. Carranza	Trinidad, B. W. I.
June 28	Linda S [24]	Surgeon Brothers	Bluefields, Nicaragua.
June 28	Ancon	Panama Railroad S. S. Line.	New York via Haiti.
June 29	Pastores	United Fruit Co	Port Limon, Costa Rica.
June 30	Sixaola	United Fruit Co	Colombian ports.
June 30	Tivives	United Fruit Co	New York via Kingston.
June 30	Coppename	United Fruit Co	Port Limon via Bocas.
June 30	Saramacca	United Fruit Co	New Orleans, La.
June 30	Inapaquina [24]	United Fruit Co	Colon, R. P.
June 30	Virginia	Standard Fruit S. S. Co	San Blas, R. P.
July 1	Macoris	French Line	St. Nazaire via wayports
July 2	Virginia	Standard Fruit S. S. Co	New Orleans, La.
July 2	U. D. Vinton [25]	G. I. Bryan	Bluefields, Nicaragua.
July 2	San Jose	United Fruit Co	Colombian ports.

[24] Motor schooner. [25] Schooner.

PORT OF BALBOA.

Date.	Vessel.	Line.	For—
June 28	Nora	Grace Line	Los Angeles, Calif.
June 28	Tango	Ego Aguineg & Dammert	Talara, Peru.
June 29	Estrella [26]	A. Valdez	Panama Bay, R. P.

Date.	Vessel.	Line.	For—
June 26	Satanta	Standard Transportation Co.	Los Angeles Harbor.
June 29	Nora	Grace Line	Los Angeles Harbor.
June 29	Tango	Ego Aguineg & Dammert	Puntarenas, Costa Rica.
June 29	Estrella [26]	A. Valdez	Panama Bay, R. P.

[26] Motor schooner.

* Other than ships passing through the Canal.

Fifty-Ton Derrick for Cristobal Terminal.

A 50-ton steel, stiffleg derrick has been purchased from the American Hoist & Derrick Co. for installation at the outer end of Dock No. 8, Cristobal. The derrick has a nominal capacity of 50 net tons of 2,000 pounds each at a 90-foot radius, an "A" frame type boom, 108 feet from center to center of pins, and mast of "A" frame construction, 71 feet between bearings. The hook may be lowered to a point 50 feet below base of mast. The stifflegs are 94 feet from center to center of pins and are spaced 90 degrees apart, allowing boom to swing through an arc of 256 degrees. The hoist will be operated by a crane-type motor, rated 80 horsepower at 750 R. P. M. The slewing will be accomplished independently of hoisting, the gearing of the slewer being directly connected to a reversible crane-type motor, rated 25 horsepower at 750 R. P. M. Motors will operate on 25-cycle, 3-phase, 220-volt current.

The total estimated cost, covering purchase of derrick, footings, erection, electrical work and transformer room is $38,500. It is expected that the derrick will be installed, ready for use in about 6 weeks.

Heretofore, the Cristobal Terminal has been handicapped in the handling of heavy pieces of cargo, weighing over 25 tons, or beyond the capacity of the ships' hoists. For this work it has been necessary to use the Mechanical Division crane or crane barge *No. 157*, a method subject to delays and increase in cost of handling.

Notice to Mariners.—Flashing Light and Whistling Buoy to be Established, Pacific Entrance.—Panama Canal at South Fraile Island.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., June 29, 1927.

A flashing light and whistling buoy will be established at South Fraile Island on or about July 15, 1927, in 12 fathoms of water and on the following bearings from:

Morro Puerco, 72° 28′ true,
Rala Point, 133° 48′ true,
Cape Mala Light, 224° 0′ true.

Color of buoy, black;
Characteristics of light, white–group;
Flashing period, 20 seconds (Flash, 0.5 seconds; eclipse, 4.5 seconds; flash, 0.5 seconds; eclipse, 4.5 seconds; flash, 5.0 seconds; eclipse, 5.0 seconds).
Height of focal plane, 16 feet.
Visibility, 8 miles.

M. L. WALKER,
Governor.

Facilities for Shipping.

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from 30 tanks aggregating approximately 3,536,500 barrels of storage capacity. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide the means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large covered piers for the storage of cargo. These are modern structures, fireproof, ratproof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal in over 11 years of operation.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

PUBLISHED WEEKLY.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., July 13, 1927. No. 49.

Launching of Hulls of Diesel Electric Tugs.

The hulls of two new tugs *Chagres* and *Trinidad*, which are being built at Balboa by the Mechanical Division of The Panama Canal, were launched last week. The *Chagres* was launched in the afternoon of July 8, and the *Trinidad* the morning of July 9. Both hulls were lifted from their cradles alongside the 1,000-foot dry dock and lowered into the water of the dry dock by the 250-ton cranes *Ajax* and *Hercules*, working together. The *Ajax* was taken out of the dry dock after the launching of the *Trinidad* had been completed. The *Hercules* was left there for dry docking for repairs to the hull.

The two new tugs are 125 feet long by 28 feet beam and will draw approximately 14½ feet of water when completed. The tugs will be driven by electricity generated by Diesel engines, will have living accommodations aboard for 6 "gold" or American men and 24 "silver" or tropical employees, and will have a fuel supply sufficient for 21 days at sea, giving a cruising radius of 6,000 nautical miles. A general description of the tugs was published in THE PANAMA CANAL RECORD of December 1, 1926.

Decreased Depths Off West Coast of Central America Reported.

The following appeared in the Hydrographic Bulletin No. 1973 of June 29, 1927, under the heading of "Central America":

"*Costa Rica, Decreased Depths Reported, Caution.*—On May 8, 1927, the American steamer *Jacob Luckenbach* was stranded on rocks about ⅞ of a mile offshore, in (approximately) lat. 10° 07′ 00″ N., long. 85° 49′ 15″ W., having been set inside her course by the current. The ship remained on the rocks from May 8 to May 17, during all of which time the wind did not exceed a force of 0 to 1. At high water only a few black rocks were visible along the coast a short distance from shore, but at low water a continuous heavy southwest swell was breaking on the coral reefs from ¼ to 1¼ miles offshore from Cape Velas to Guionos Point Reef.

"Soundings taken by vessels engaged in salvage work revealed the existence of pinnacles having a depth of 30 feet over them approximately 2 miles outside the stranded vessel.

"Alongside the vessel there was a rock having a depth of 3 feet at low water.

"CAUTION.—Deep-draft vessels should not approach within 3 miles of the coast between Cape Velas and Guionos Point, and should guard against being set to the eastward."

The above was included in Panama Canal Notice to Mariners No. 274, issued July 9, 1927.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, July 9, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Vestalia	2	15 00	3	6 15	3	12 51	3	13 50	British	Canadian Transp. Co	423.4	56.0	19.0	Norfolk, Va.	Vancouver, B. C.	Ballast		6,199	4,412
Clio [1] [2]	2	15 05	3	6 20	3	13 46	3	15 10	Danzig	Baltic-Amer. Pet. Co.	470.0	63.0	20.0	Rotterdam, Holland	Talara, Peru	Ballast		9,248	6,310
Ani	2	16 58	3	7 30	3	14.05	3	15 15	Belgian.	Cy. Int. Com. et Arm't.	400.5	52.0	18.0	Port Royal, Jamaica	Iquique, Chile	Ballast		6,617	4,793
Atlantic Sun [1]	2	21 05	3	7 30	3	14 41	3	15 50	American.	California Pet. Co	429.3	59.2		Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,568	5,283
Inverleith [1]	3	9 10	3	10 45	3	17.29	3	22 12	British	Andrew Weir & Co	411.6	55.8	20.0	Thameshaven, Eng.	Los Angeles, Calif.	Ballast		7,169	4,495
Larchbank [2]	3	15 15	4	6 20	4	13.54	4	18 30	British	Bank Line, Ltd.	420.0	53.9	16.0	New York, N. Y.	Iquique, Chile	Ballast		7,093	4,994
Hagan [1]	3	16 45	4	6 23	4	14 57	4	19 40	American	McAllister Brothers.	416.7	56.2	26.0	Newport News, Va.	San Francisco, Cal.	Molasses		6,728	4,737
Hagood [1]	3	19 55	4	7 15	4	15 30	4	19 35	American	Crew, Levick & Co	435.6	56.2	19.6	Philadelphia, Pa.	Los Angeles, Calif.	Ballast		7,126	5,094
Hegira	3	22 50	4	7 95	4	16 00	4	17 30	American	Norton, Lilly & Co	440.0	56.9	27.0	New York, N. Y.	Everett, Wash.	General	9,686	8,342	6,108
Arcturus	3	23 20	4	8 27	4	16 23	5	17 25	American.	Roosevelt S.S. Co., S.B.	401.0	53.3	15.7	New York, N. Y.	Sydney Australia	General	1,454	7,043	5,167
Cubore [2]	4	6 49	4	8 27	4	17 19	4	22 40	American	Ore S. S. Corp.	450.7	57.0	18.0	Baltimore, Md	Cruz Grande, Chile	Ballast		7,956	4,866
Colombo [1]	4	8 13	4	9 35	4	16 47	6	22 00	British	British Government.	425.0	43.0	16.0	Bermuda, B. W. I	San Diego, Calif.				
Pear Branch	4	4 30	4	12 16	4	19 15	4	21 05	British	F. & W. Ritson.	393.0	53.8	20.6	Liverpool, England	Valparaiso, Chile	General	2,942½	5,760	3,866
Roy [1]			4		4	14 05			American	United Fruit Co				Cristobal, C. Z.	Gatun Lake, C. Z.	(a)		2	2
No. 4288 [3]			4		4	14.05			American	United Fruit Co				Cristobal, C. Z.	Gatun Lake, C. Z.	Ballast		15	15
No. 4289 [3]			4		4	14 05			American	United Fruit Co				Cristobal, C. Z.	Gatun Lake, C. Z.	Ballast		15	15
Motor Sailor			4		4	14 04			American	U. S. Navy				Cristobal, C. Z.	Gatun Lake, C. Z.				
Leon XIII	3	21 40	5	6 05	5	13 50	5	20 08	Spanish	Spanish Line	410.4	46.0	22.6	Barcelona, Spain.	Valparaiso, Chile	General	185	5,521	3,729
No. 320 [4]	3	15 25	5	6.00					American.	U. S. Navy	309.0	31.0	11.0	Nicaragua	Gatun Lake, C. Z.				
San Nicholas [1]	4	15 55	5	6 15	5	13 58			British	Lago Shipping Co.	305.7	50.0	10.0	Aruba, D. W. I.	Balboa, C. Z.	Ballast			
Canadian Inventor	4	18 15	5	7.15	5	14.48	5	16 29	British	Can. Gov. Mer. Marine	400.0	52.0	22.0	Montreal, Canada	Adelaide, Australia	General	3,100	5,916	4,159
Missourian [2]	4	21 05	5	7 30	5	15 45	5	17 15	American	Amer.-Hawaiian Line	445.0	59.8	24.8	Boston, Mass.	Portland, Oreg	General	6,536	8,567	6,020
Canadian Importer	5	1 20	5	8 30	5	16.43	5	18 25	British	Can. Gov. Mer. Marine	400.0	52.0	21.9	Quebec, Canada	Vancouver, B. C.	General	4,995	5,891	4,186
West Katan.	5	1 35	5	8 29	5	21 10	5	18.20	American	Calif. & East'n S.S. Co	410.5	54.0	21 10	New York, N. Y.	Seattle, Wash	General	3,948	6,573	4,916
O-6 [5]			5	9 15	5	18 17			American	U. S. Navy	172.4	18.0		Cristobal, C. Z	Balboa, C. Z				
O-7 [5]			5	9 15	5	18 17			American.	U. S. Navy	172.4	18.0		Cristobal, C. Z	Balboa, C. Z				
O-9 [5]			5	9 15	5	18 17			American	U. S. Navy	172.4	18 0		Cristobal, C. Z	Balboa, C. Z				
Vinland [2]	5	6 03	5	9 55	5	16 52	5	18 25	Norwegian.	Pacific Ex. Lumber Co	368.5	53.7	12 0	Liverpool, England	Los Angeles, Calif.	Ballast		5,413	3,965
Parcora.	5	6 44	5	10 15	5	17 50	5	19 05	British	Amer.-Australian Line.	480.0	62.2	24.0	New York, N. Y.	Brisbane, Australia	General	10,183	9,458	6,867
Ashburton	5	7 45	5	11 10	5	19 12	6	4.40	British	Amer.-Australian Line.	400 0	52.0	19 0	New York, N. Y	Bunbury, Australia	General	3,970	5,997	4,307
Venezuela	4	18 00	6	6 07	6	14.00	6	22 30	American	Panama Mail S. S. Co.	380.0	46 5	22 9	New York, N. Y.	San Francisco, Cal.	General		2,454	6,033	4,353
Orita	5	14 45	6	6 07	6	14 50	6	16 25	British	Pacific Steam Nav. Co	485 0	58.0	23 8	Liverpool, England	Coronel, Chile	General		3,113	9,936	6,561
Cambrai [6]	6	1 20	6	7 25	6	15 40	7	18 30	American	U. S. Army	436 0	58.2	24 0	Brooklyn, N. Y	San Francisco, Cal.	General		589		
Suspearco.	5	6 00	6	7 03	6	17 36	6	19 04	American	Transmarine Lines.	324 0	46 2	21.3	Houston, Texas.	Portland, Oreg	General		3,465	3,984	2,612
Siam [2]	2	7 58	6	7 40	6	16 05	7	15 55	Danish	East Asiatic Co.	410.0	55.2	21 7	Hamburg, Germany	Vancouver, B. C.	General		6,660	7,068	5,303
Amsterdam	5	11 35	6	8 55	6	16 39	6	17 55	Dutch.	Royal Neth. S. S. Co.	474.0	66 0	23 6	Amsterdam, Holland	Valparaiso, Chile	General		4,507	11,638	7,744

[1] Tanker. [2] Motor ship. [3] Cruiser. [4] Launch. [5] Barge. [6] Destroyer. [7] Submarine. [8] Transport. [9] Towing barges *No. 4288* and *No. 4289*.

Chas. R. McCormick	6	3.50	6	9 45	6	19.18	6	20.25	American	McCormick S. S. Co	401.7	53.0	19.0	New York, N. Y.	Seattle, Wash	General	4,070	7,082	5,167
Harry Luckenbach	6	6.22	6	10.00	6	18.38	7	1.00	American	Luckenbach Line	448.9	69.2	26.0	New York, N. Y.	Seattle, Wash.	General	6,589	9,262	6,853
D. G. Scofield [1]	6	8.09	6	11.05	6	20.04	6	23.25	American	Standard Oil Co.	439.5	58.0	19.6	New York, N. Y.	Los Angeles, Calif.	Ballast		8,698	5,935
Kekoskee [1]	6	9 10	6	11.25	6	21.00	6	22.30	American	Acewood Pet. Corp.	391.8	51.3	23.0	New York, N. Y.	Los Angeles, Calif.	Ballast		5,550	3,867
Halo [1]	6	12 33	6	12 45	6	21.50	6	23.12	American	Crew, Levick & Co.	435.0	56.0	17.0	Boston, Mass.	Los Angeles, Calif.	Ballast		7,434	5.145
Edna Christensen	6	11.20	6	13.35	6	22 50	7	7.33	American	Darling Singer Lum.Co.	283.3	44.0	13.0	Pto. Colombia, Col.	San Francisco, Cal.	Ballast		2,600	1,685
Cauca [10]	2	19.50	7	6.05	7	16.05	7	20.00	Colombian	National Navigation Co.	107.0	22.0	11.6	Cristobal, C. Z	Buenaventura, Col.	General	376	238	163
Hesperos	6	15.15	7	6.35	7	14.57	7	16.30	Norwegian.	Bruusgaard Kiosterud	339.8	54.1	24.0	Antwerp, Belgium	San Francisco, Cal.	General	6,560	5,693	4,230
Steel Worker	6	21.05	7	6.40	7	14.04	7	15 20	American.	U. S. Steel Products Co.	424.0	56.2	26 2	Baltimore, Md.	Shanghai, China.	General	8,190	7,611	5,497
Niobe [1]	7	6.28	7	7.45	7	16.56	7	21 24	Danzig	Baltic-Amer. Petr. Co.	477.0	62.3	14.0	Rio de Janeiro, Br	Talara, Peru	Ballast		8,914	6,674
Rialto [2]	5	7.28	7	7.50	7	16.00	7	21.58	Italian	Nav. Libera-Triestina	430 0	55.0	17.6	Venice, Italy	Vancouver, B. C.	General	3,353	7,789	5,908
Mongolia	7	7 55	7	8.25	7	15.52	7	23.50	American	Panama-Pacific Line	600.0	65.0	28.0	New York, N. Y.	San Francisco, Cal.	General	2,365	17,041	11,426
Orient City	6	18.10	7	10.45	7	17.38	7	18.45	British	St. Just S. S. Co.	390.0	53.6	15.0	Savona, Italy	Los Angeles, Calif	Ballast		5,682	4,044
Chiman [2]	6	19.25	7	10.15	7	17.50	10	2.00	Panaman	Isth. Land & Fruit Co.	116.0	21.0	7 0	Cristobal, C. Z	Buenaventura, Col.	Ballast		211	124
Mantaro	2	15.05	7	13.05	7	19.25	7	21.58	Peruvian	Peruvian Line	367.0	46.0	18.10	Cristobal, C. Z.	Buenaventura, Col.	General	545	4,838	2,959
Garfield	7	11.13	7	13.35	7	20.45	7	22.52	American	N. O. & S. A. S. S. Line	299.4	45.0	21 4	New Orleans, La.	Talcahuano, Chile	General	2,470	3,256	2,010
Louqsor	6	16.40	7	13.50	7	21.20	7	22.53	French	Messageries Maritimes	447.2	52.6	23.6	Dunkirk, France.	Noumea, N. Calid	General	2,105	7,487	5,162
Marija Petrinovic	7	15.45	8	6.20	8	14.00	8	15.05	Yugoslav	Baburizza & Co.	400.0	53.0	14.0	Rotterdam, Holland	Antofagasta, Chile.	Ballast		5,808	4,163
Hoyanger [2]	7	16.00	8	6.25	8	14.53	8	19.37	Norwegian.	Westfal, Larsen & Co.	331.6	53.8	25.0	Rosario, Argentina.	Vancouver, B. C.	General	7,700	6,289	4,723
Thomas Bryan [11]	7	14.45	8	6.25	8	14.58	9	11.49	British	Pedder & Co.	115.0	22.1	14.0	Milford haven, Eng.	Auckland, N. Z.	Ballast		215	83
Nordvard [2]	7	17 55	8	7 25	8	15.01	8	16 15	Norwegian	Babcock Angell Lum.Co.	377.6	54.0	13 6	Baltimore, Md.	Vancouver, B. C.	Ballast		6,108	4.358
Cordelia [1]	7	20.40	8	7.25	8	15.55	8	21.57	British	Anglo-Saxon Pet. Co.	420.3	54.0	18.0	Ipswich, England	Los Angeles, Calif.	Ballast		6,837	5,043
Peter Kerr	7	22.25	8	8.20	8	16.15	8	17.25	American	Arrow Line	415.0	55.6	19.0	Baltimore, Md.	Portland, Oreg.	General	3,000	7,704	5,707
Mobile City	7	23 45	8	8.30	8	17.11	8	21.57	American	Isthmian S. S. Lines	395.5	55.0	26 6	Galveston, Texas	Darien, China	Steel, general	8,096	7,330	5,241
Liberator	8	4.00	8	9.45	8	18.00	9	2.18	American	Atl. Gulf & Oriental Co.	410.0	56.0	26.9	Houston, Texas	Legaspi, P. I.	([12])	6,697	8,199	6,216
Tenpaisan Maru	8	4.50	8	9.55	8	17.37	8	19.04	Japanese	Mitsui Bussan Kaisha	380.6	53.6	22.6	Port Arthur, Texas	Taku Bar, China	Oil, general	6,193	5,554	3,614
Aconcagua	8	6.35	8	11.15	8	18.50	8	19.50	Chilean	Chilean Line	422.8	56.2	26 3	New York, N. Y.	Valparaiso, Chile	General	2,948	7,758	4,705
Camden [1]	8	6.48	8	11.15	8	19 38	8	20.58	American	United Fruit Co.	419.5	56.5	20.0	Tela, Honduras	Los Angeles, Calif	Ballast		6,977	4.959
Limnea [1]	8	8.05	8	12.55	8	20.36	9	00 25	British	Anglo-Saxon Pet. Co.	412.0	53.4	18 6	Hamburg, Germany	Los Angeles, Calif	Ballast		6,090	4,303
Gopher [4]			8		8				American.	F. C. Gibson				Cristobal, C. Z	Gatun Lake, C. Z.	Ballast		5	5
Indien [2]	8	17.45	9	6.15	9	15.04	9	16.00	Danish	Hamburg-American Line	390.0	53.0	25.0	Antwerp, Belgium	Vancouver, B. C.	General	6,816	6,173	4,418
Point Reyes	8	20.10	9	6.10	9	15.24	9	16.40	American	Swayne & Hoyt	324.0	46.2	24 3	New Orleans, La.	Seattle, Wash	General	4,600	3,984	2,617
Steel Seafarer	8	21.10	9	7.00	9	16.05	9	17.20	American.	Isthmian S. S. Lines	425.0	56.0	26.5	New York, N. Y.	Manila, P. I	([13])	7,815	7,611	5,454
Mayebashi Maru	9	5.40	9	7.33	9	16.25	9	21.15	Japanese	Nippon Yusen Kaisha	445.0	58.0	26 6	Philadelphia, Pa.	Niihama, Japan	([14])	8,576	8,012	5.749
Sabotawan	9	6.10	9	8.35	9	16.52	9	18.05	American	Finkbine, Guild Tr. Co.	386.8	52.2	17.2	New Orleans, La.	San Francisco, Cal.	General	2,312	5,708	4,138
Incemore	9	00.40	9	9 20	9	17.11	9	18.20	British	Canadian Transp. Co.	360.0	52.0	18.0	Norfolk, Va.	San Francisco, Cal [15]	Sugar	3,000		
Independence	9	1.15	9	9.55	9	17.47	9	19.00	American	Barber S. S. Line, S. B.	440.0	56.0	26.0	New York, N. Y.	Shanghai, China	General	8,133	8,290	6,063
Malakand	9	6.27	9	10 50	9	18.03	9	19.12	British	Com'lth & Dom. Line	470.0	58.3	25 9	Philadelphia, Pa.	Fremantle, Aust'lia	General	6,035	8,250	5,631
Suholco	9	9.32	9	11 05	9	18.56	9	20.23	American	Transmarine Lines	324.0	46.0	22.10	Newark, N. J.	San Francisco, Col.	General	3,546	3,984	2,619
Norden	2	16.45	9	12.18	9	19 48	9	21.15	Danish	Scan. Syes. Pac. Line	309.0	47.3	21.0	Oslo, Norway	San Antonio, Chile.	Cement, paper	3,612	3,357	2,562
Alvarado	8	16.15	9	13.22	9	21.40	9	23.11	British	Pacific Steam Nav. Co.	303.0	43.0	19.6	New York, N. Y.	Buenaventura, Col.	General	1,453	2,844	1,748
Schwarzwald	5	6.30	9	13.32	9	20.45	10	18.05	German	Hamburg-American Line	399.6	54.2	25.6	Hamburg, Germany	Valparaiso, Chile	General	6,682	6,571	4,607
Port Hunter	9	10.47	9	13.45	9	22.40	9	23.55	British	Com'lth & Dom. Line	480.0	62.3	27.6	Liverpool, England	Auckland, N. Z.	General	7,078	10,825	7,968

[1] Tanker. [10] Motor schooner. [11] Trawler. [12] Oil, cotton, and general. [13] Steel, sulphate, and general. [14] Phosphate rock, tin plates, rosin, and general. [15] For orders.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Hawaiian	2	16 50	3	6 16	3	14 35	3	14 35	American	Amer.-Hawaiian Line.	494.6	53 09	26.6	Tacoma, Wash.	Boston, Mass.	General	4,893	6,766	4,809
Willet [16]	3	4 59	3	6 53	3	14 52	4	19 15	American	Merritt, Chap'n & Scott	181.6	35.5	12.0	Talara, Peru	Cristobal, C. Z.			809	223
Mirlo [1]	2	17 30	3	7 49	3	15 25	3	19 05	Norwegian.	Hurstecn Petroleum Co.	441 0	57.5	27 0	Los Angeles, Calif.	Pernambuco, Brazil	Fuel oil	9,249	7,664	5,331
Chilcop.	3	9 00	3	9 47	3	16 55	3	20 40	British	Chile S. S. Co	427 0	54 0	24.0	Tocopilla, Chile	Baltimore, Md.	Nitrate	8,000	6,634	5,008
Lancaster.	3	10 00	3	10 46	3	18 20	3	18 20	American	Argonaut S. S. Line.	434 3	57.2	26.0	Everett, Wash.	Newark, N. J.	Lumber	7,500	7,935	5,841
Chilore	3	22 00	4	5 48	4	15 05	4	15 35	American	Ore S. S. Corp	549 6	72.25	34.6	Cruz Grande, Chile.	Baltimore, Md.	Iron ore	20,000	14,538	9,348
Hazel Branch	4	4 29	4	7 15	4	15 49	4	15 49	British	F. & W. Ritson.	418 0	50 0	22.0	Valparaiso, Chile	Liverpool, England	General	5,400	5,208	3,578
Santa Elisa	4	2 30	4	8 48	4	14 18	4	20 43	American	Grace Line	367 3	51.7	25 6	Talcahuano, Chile.	New York, N. Y.	(20)	3,956	5,957	4,325
Magellan.	4	4 29	4	8 40	4	18 16	7	11 40	British	Pacific Steam Nav. Co	461 5	59.3	25.6	Valparaiso, Chile	Hull, England.	General	8,085	8,817	6,063
Bennohr	4	3 00	4	9 15	4	17 40	4	18 25	British	Ben Line	493 6	52 0	23 0	Portland, Oreg.	Rotterdam, Holland	General	6,760	5,205	3,899
Jacksonville [17]	4	7 05	4	9 55	4	19 10	5	9 55	American	Grace Line	333 8	48 0	17.0	Mollendo, Peru.	New York, N. Y.	General	1,127	4,128	2,664
Sulaniereo	4	8 03	4	10 24	4	19 15	4	18 15	American	Transmarine Lines.	324.0	46.2	25 0	Aberdeen, Wash	New York, N. Y.	Lumber	3,732	3,984	2,628
Edgar Bowling	4	9 46	4	10 50	4	20 15	4	20 15	American	Garland S. S. Corp.	410.5	54 0	25 4	Aberdeen, Wash.	New York, N. Y.	Lumber, shingles	7,700	6,567	4,908
William Campion.	4	19 20	4	11 16	4	21 30	4	21 30	American	Garland S. S. Corp.	334 4	51 2	24 0	Aberdeen, Wash.	Boston, Mass.	Lumber	5,500	6,327	4,433
Santa Veronica.	4	10 40	4	11 38	4	21 45	5	00 35	American.	American-Cuban Line.	251 0	43 6	23.6	Aberdeen, Wash	New York, N. Y.	Lumber	3,300	2,823	1,740
Auzvald	4	11 00	4	12 53	4	23 05	5	1 50	Norwegian.	Dupont de Nemours Co.	400 0	53 6	25.8	Antofagasta, Chile.	Philadelphia, Pa.	Nitrate	8,000	6,698	4,990
Argonne [18]	4	19 00	5	5 25	5	14 35	5	11 05	American	U. S. Navy	458.0	58 0	23.8	Corinto, Nicaragua	Hampton R'ds, Va.				
Daghestan [7]	5	6 00	5	7 15	5	15 00	5	19 40	British	Common Brothers.	495 0	52 0	25.11	San Francisco, Cal.	Land's End, Eng. [21]	Gasoline	7,792	6,355	4,657
Vittorio Veneto.	4	15 45	5	8 10	5	15 50	5	18 50	Italian	Navigazione Generale Italiana.	381.0	49.33	24.0	Talcahuano, Chile.	Genoa, Italy	Nitrates	6,161	4,854	3,222
Ausgir.	5	3 00	5	9 00	5	16 20	5	21 55	German	Roland Line	393 14	53 32	25 3	San Antonio, Chile.	Antwerp, Belgium.	General	7,966	6,542	5,432
Paul Luckenbach	5	12 40	5	13 23	5	20 10	5	20 10	American.	Luckenbach Line	471.1	59 2	26 0	Portland, Oreg.	Boston, Mass.	Lumber, general.	8,475	9,027	6,539
Nemanja	5	13 00	5	14 00	5	22 20	5	23 50	Yugoslav	Baburriza & Co	409 0	52.3	25.4	Iquique, Chile.	St. Thomas, V.I. [21]	Nitrates	7,800	5,748	4,056
Lio [7]	5	21 00	6	6 34	6	14 35	6	14 35	American	Standard Transp. Co.	431 0	59.2	29.8	Los Angeles, Calif	Providence, R. I.	Gasoline	9,509	7,486	5,112
Tsuyama Maru.	5	9 45	6	7 08	6	16.05	6	18 00	Japanese.	Nippon Yusen Kaisha.	445 0	58 0	25 10	Iloilo, P. I	New York, N. Y.	(22)	9,996	7,956	5,681
Storviken.	5	21 45	6	8 06	6	16 55	6	16 55	Norwegian.	Canadian Transp. Co.	380 0	53 2	24 4	Vancouver, B. C.	Boston, Mass.	Lumber	5,980	5,342	3,826
Poseidon.	6	8 00	6	9 10	6	17 45	7	11 18	German	Hamburg-American Line	450 7	57.2	25 0	Punta Arenas, Chile	Hamburg, Germany	General	8,737	7,684	5,234
Buenos Aires.	5	20 15	6	11 08	6	20 05	8	02 40	Spanish	Spanish Line	407 05	47 99	23 0	Valparaiso, Chile	Barcelona, Spain.	General	2,260	5,624	3,844
Chiman [17]	6	9 48	6	10 57	6	17.25	7	10 15	Panaman	Isth. Land & Fruit Co	116 0	27 0	7.0	Brujas, R. P.	Cristobal, C. Z.	Bananas		211	124
Finland	5	21 20	6	11 13	6	18 00	6	18 30	American.	Panama-Pacific Line.	560 0	60 2	29.5	San Francisco, Cal.	New York, N. Y.	General	5,974	13,559	9,016
Canadian Britisher.	6	10.25	6	11 30	6	19 40	6	21 20	British	Can. Gov. Mer. Marine	400 3	52.2	16.6	Auckland, N. Z.	Montreal, Canada	General	1,556	5,906	4,141
Foreric.	6	11 25	6	13.04	6	21.35	7	1.05	British	Andrew Weir & Co.	403.0	52 3	26 6	Makatea, So. Pac.	Landskrena, Swed.	Phosphate	7,150	5,819	4,037
Texan.	6	12 05	6	15 14	7	00 20	7	4 20	American	Amer.-Hawaiian Line	471 0	57.2	24.0	Portland, Oreg	Boston, Mass.	General	6,386		
Pennsylvanic.	6	11.30	6	13 04	6	23 20	8	11 58	British	French Line	400 0	52.05	26.3	Valparaiso, Chile.	Havre, France.	(23)	7,904	5,964	4,384
No. 314 [19]			7	6.27	7	13 40	7	15 30	American.	U. S. Navy	310 0	30.11	11 0	Balboa, C. Z.	Cristobal, C. Z.				
The Lambs	6	16 40	7	7 20	7	15.10	7	15 10	American	American-Pioneer Line.	395 5	45 0	26 9	Manila, P I.	New York, N. Y.	Sugar, gum copal	8,508	7,285	5,256

[1] Tanker. [16] Salvage tug. [17] Motor ship. [18] Navy transport. [19] Destroyer. [20] Nitrate, copper, and general. [21] For orders. [22] Rice, cotton, and general.

[23] Nitrate, cotton, sugar, lentils, copper, etc.

Charles Pratt [1]	6	23	25	7	8.02	7	17	25	7	17.25	American	Standard Oil Co. of N. J.	500.0	68.0	30	6	Los Angeles, Calif.	Baltimore, Md	Crude oil	15,600	10,313	7,492
Acajutla	7	00	40	7	8.57	7	17	45			British	Pacific Steam Nav. Co.	215 7	33.5	13.5		Champerico, Guat	Cristobal, C. Z	[26]	224	1,273	706
Sagoland	7	2.15	7	10.02	7	18.35	7	19	15		Swedish	Axel Brostrom & Son	430.2	54.2	26.0		Tocopilla, Chile	Azores [21]	Nitrate	9,400	6,840	5,014
Tongking [17]	7	6 00	7	11.12	7	18.50	7	20	45		Danish	East Asiatic Co.	410 0	55 2	31.0		Vancouver, B. C.	Copenhagen, Den'k.	General	9,427	7,013	5,317
City of San Francisco [17]	7	8 30	7	12.44	7	19 30					Panaman	Panama Mail S. S. Co.	296 09	45.93	17	6	San Francisco, Cal.	Cristobal, C. Z.	Kerosene, general	911	3,848	2,606
Oleander [1]	7	8 20	7	14 45	7	22 50	7	22	50		British	Davies & Newman, Ltd.	499 2	57 1	26.0		Los Angeles, Calif	United Kingdom.	Fuel oil	8,590	7,426	5,095
Lieut. Crowl [21]			7			7					American	U. S. Army					Balboa, C. Z.	Miraflores, C. Z.				
Major Pullen [24]			7			7					American	U. S. Army					Balboa, C. Z.	Miraflores, C. Z				
Jacob Luckenbach	6-1	17.40	8	6 42	8	15 05	8	15	05		American	Luckenbach Line	414.5	53 7	25.0		Seattle, Wash.	New Orleans, La.	General	4,200	7,315	5,270
Sunbeam [1]	7	21 30	8	7.05	8	16 15	8	16	15		American	Sun Oil Co.	429 3	59.2	26	6	Los Angeles, Calif	Jacksonville, Fla.	Bulk gasoline.	9,581	7,709	5,562
Heluan	8	3.00	8	8.13	8	16 20	8	19.45			German	Hamburg-American Line	441.16	52.84	25.6		Valparaiso, Chile.	Hamburg, Germany	Nitrate, copper.	7,704	7,621	5,313
Amersfoort	7	16.00	8	9.06	8	17 30	8	21	30		Dutch	Royal Neth. S. S. Co.	483.01	62.75	28.3		Valparaiso, Chile.	Dunkirk, France.	General	10,447	10,083	6,883
Esperanza [25]	8	1.30	8	10.04	8	18.00	8	19.15			Norwegian.	Mexico Whaling Co.	339 7	44.0	25.0		Los Angeles, Calif.	Sandefjord, Nor.	Whale oil, coal	2,800	4,072	2,845
Scania [17]	7	18.30	8	10.08	8	18.30					Swedish	Colombian Transp. Co	183.63	29.0	12.0		Buenaventura, Col.	Cristobal, C. Z.	[27]	727½	720	421
F. Q. Barstow [1]	7	23.30	8	11.13	8	19.25	8	19.25			American	Standard Oil Co. of N. J.	500.0	68.2	29.6		Los Angeles, Calif	New York, N. Y.	Crude oil	15,714	10,526	7,604
Shreveport [1]	8	1.00	8	12.20	8	19 55	8	19.55			American	Cities Service Trans. Co.	435.0	56.0	29.6		Los Angeles, Calif.	Philadelphia, Pa.	Crude oil	11,375	7,415	5,109
Marore	8	21.00	9	6.08	9	18.00	10	6.18			American	Ore S. S. Corp	550.3	72.2	34.02		Cruz Grande, Chile	New York, N. Y	Iron ore	20,000	15,551	4,297
Yankee Arrow [1]	8	23.45	9	7.13	9	15 50	9	15.30			American	Standard Transp. Co.	485 0	62.7	27.7		Los Angeles, Calif.	Providence, R. I.	Gasoline.	11,397		
San Roberto [1]	9	1 15	9	8.13	9	18 36	9	22.05			British	Anglo-Mexican Pet. Co.	407.1	52.2	25 6		Los Angeles, Calif	Lizard Head, Eng.	Gasoline	7,350	6,239	4,350
Invergoil [1]	8	15.05	9	8.45	9	18.45	9	18.45			British	Andrew Weir & Co.	412.6	55.8	28.6		Los Angeles, Calif	Southampton, Eng.	Fuel oil	8,711	7,099	4,450
Steel Mariner	8	24.00	9	9.11	9	18.55	9	18.55			American	Isthmian S. S. Lines	424.2	56.2	25.9		Everett, Wash.	Baltimore, Md	Lumber	6,500	7,611	5,450
Maltram	9	7.00	9	9.47	9	19.40	9	19.40			American	Mallory Transport Co.	333 8	48.0	22.0		Aberdeen, Wash.	New York, N. Y.	Lumber	4,409	4,171	2,827
Laurel	9	3.33	9	10.38	9	20.10	9	20.10			American	Columbia-Pac. Ship. Co.	410.5	54.2	26.6		Portland, Oreg	Philadelphia, Pa.	Lumber	7,670	6,756	4,874
W. S. Miller [1]	9	7.49	9	11.00	9	21.45	10	14.06			American	Standard Oil Co.	435.0	56.1	29.0		Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	10,773	7,470	5,144
Sunewco	9	11.40	9	12.15	9	21.50	10	15.50			American	Transmarine Lines	324 0	46.2	23 8		Englewood, B. C	New York, N. Y.	Lumber	4,037	3,984	2,612

[1] Tanker. [24] Launch. [25] Whaler. [26] Coffee, hides, wood, and broomroot. [27] Coffee, hides, and gold. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
July 3	Heredia	United Fruit Co	New Orleans via Habana.
July 3	Dictator	Holdt & Isachsen Efte	Pto. Cabezas, Nicaragua.
July 3	Pastores	United Fruit Co	Port Limon, Costa Rica.
July 4	Ulua	United Fruit Co	New York via Habana.
July 6	Suriname	United Fruit Co	New Orleans, La.
July 6	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
July 6	New Daphne	All America Products Co	Mobile, Ala.
July 6	Carillo	United Fruit Co	New York via Kingston.
July 7	Inapaquina [28]	United Fruit Co	Colon, R. P.
July 7	Simon Bolivar	Royal Netherlands S. S. Co	Amsterdam via wayports.
July 7	Coppename	United Fruit Co	Bocas del Toro, R. P.
July 7	Sixaola	United Fruit Co	Port Limon, Costa Rica.
July 7	Favorita	Standard Fruit S. S. Co	New Orleans, La.

[28] Motor schooner.

* DEPARTURES.

Date.	Vessel.	Line.	For—
July 3	Pastores	United Fruit Co	New York via Habana.
July 3	Macabi	United Fruit Co	New York via Kingston.
July 3	Dictator	Holdt & Isachsen Efte	Santa Marta, Colombia.
July 3	Teutonia	Hamburg-American Line	Port Limon, Costa Rica.
July 3	Dorelian	Leyland Line	Habana via Pt. Limon.
July 4	Heredia	United Fruit Co	New Orleans and wayports.
July 6	Ulua	United Fruit Co	Port Limon, Costa Rica.
July 7	Inapaquina [28]	United Fruit Co	Colon, R. P.
July 7	Carillo	United Fruit Co	Colombian ports.
July 7	Sixaola	United Fruit Co	New York via Kingston.
July 7	Suriname	United Fruit Co	Port Limon via Bocas.
July 7	Coppename	United Fruit Co	New Orleans, La.
July 7	Simon Bolivar	Royal Netherlands S. S. Co	Port Limon, Costa Rica.

*Other than ships passing through the Canal.

(Continued on page 640, column 2.)

Commercial Traffic Through the Panama Canal in June, 1927, by Trade Routes.

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
United States intercoastal:							
United States	83	332,476	423,168	535,055	333,183	$358,921.45	243,594
East coast of United States to west coast of South America:							
British	5	15,082	20,268	25,157	15,472	17,605.62	11,271
Chilean	1	3,479	4,672	7,310	3,976	4,348.75	1,626
Japanese	1	5,055	5,139	6,786	5,077	3,791.25	
Peruvian	2	5,583	6,165	8,050	5,082	6,844.05	4,692
Swedish	1	3,743	4,421	15,339	4,377	3,183.12	
United States	14	46,714	56,032	78,148	46,529	46,706.59	25,864
Totals	24	79,656	96,697	140,790	80,513	82,479.38	43,453
Europe to west coast of South America:							
British	7	28,970	37,120	47,348	29,028	35,887.46	21,048
Dutch	2	8,307	11,413	13,850	8,157	10,383.75	7,040
Ecuadorian	1	135	143	259	121	102.96	
French	2	6,948	8,393	11,183	6,971	8,685.00	2,663
German	5	13,361	16,738	21,405	13,123	16,701.25	20,260
Italian	2	7,359	8,889	12,432	7,359	9,198.75	2,221
Spanish	1	3,017	3,844	5,205	3,226	3,771.25	358
Swedish	1	3,338	5,014	5,391	4,048	3,610.08	
Yugoslav	1	3,547	4,536	5,635	3,537	4,433.75	6,850
Totals	22	74,982	96,090	122,708	75,570	92,774.25	60,440
East coast of United States to Far East:							
British	2	6,728	10,604	10,823	6,737	8,410.00	13,031
Japanese	7	26,062	31,897	40,506	24,999	32,416.35	43,311
Norwegian	2	4,948	8,501	8,633	4,949	6,185.00	13,984
United States	5	22,177	28,776	34,218	22,061	27,721.25	40,558
Totals	16	59,915	79,778	94,180	58,746	74,732.60	110,884
Europe to west coast Canada:							
British	5	22,656	29,578	36,332	22,625	27,375.29	7,789
Dutch	2	10,055	11,756	15,916	10,034	12,568.75	7,004
French	2	6,609	9,790	11,150	6,780	8,261.25	8,638
German	1	2,620	4,023	4,453	2,621	3,275.00	4,200
Italian	1	5,275	5,913	7,061	4,460	6,593.75	2,120
Norwegian	1	4,523	5,627	7,093	4,479	5,653.75	5,000
Swedish	1	2,878	4,919	4,960	3,665	3,597.50	3,548
United States	1	3,115	4,417	4,999	3,115	3,893.75	3,340
Totals	14	57,731	76,023	91,964	57,779	71,219.04	41,639
Europe to west coast of United States:							
British	10	42,820	50,355	66,550	40,599	37,150.07	6,600
Danzig	1	5,207	5,927	8,744	5,026	4,267.44	
Norwegian	2	6,918	9,345	11,343	6,711	6,665.82	
Totals	13	54,945	65,627	86,637	52,336	48,083.33	6,600
East coast of United States to Australasia:							
British	6	22,668	30,572	36,192	22,774	28,335.00	27,801
Norwegian	1	2,829	5,131	4,819	2,829	3,536.25	8,500
Swedish	1	3,468	5,346	5,788	4,300	4,335.00	8,100
United States	3	11,105	15,395	17,582	10,923	13,881.25	9,523
Totals	11	40,070	56,444	64,381	40,826	50,087.50	53,924
Europe to Australasia:							
British	7	35,899	47,205	57,707	35,890	44,873.75	40,086
Norwegian	1	1,685	2,025	2,888	1,678	2,106.25	1,450
Totals	8	37,584	49,230	60,595	37,568	46,980.00	41,536
Cristobal, C. Z., to west coast of United States:							
Panaman	1	1,383	2,603	2,461	1,384	1,728.75	1,784
United States	4	19,840	25,448	32,135	19,980	18,322.56	
Totals	5	21,223	28,059	34,596	21,364	20,051.31	1,784

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
Cristobal, C. Z., to west coast of South America:							
Colombian	1	81	92	153	68	$101.25	150
Norwegian	1	485	606	855	482	606.25	830
Panaman	1	113	124	207	109	89.28	
Peruvian	1	989	2,405	3,395	1,514	1,236.25	380
Swedish	1	344	421	658	436	430.00	300
Totals	5	2,012	3,648	5,178	2,609	2,463.03	1,660
East coast of United States to west coast of Canada:							
Danish	1	2,634	4,268	4,289	2,675	3,072.96	.....
Italian	1	4,693	4,784	6,097	3,899	5,740.80	7,012
United States	3	8,172	11,619	13,133	8,064	10,215.00	18,090
Totals	5	15,499	20,671	23,519	14,638	19,028.76	25,102
East coast of South America to west coast of South America:							
Colombian	1	1,199	1,506	2,055	1,251	1,498.75	1,715
Norwegian	2	1,200	1,484	2,072	1,164	1,500.00	370
Peruvian	1	1,506	2,951	4,744	2,673	1,882.50	621
Totals	4	3,905	5,941	8,871	5,088	4,881.25	2,706
East coast of United States to Philippine Islands:							
British	3	9,895	17,324	17,041	9,830	12,368.75	13,062
Foreign vessels in ballast—U. S. coastwise:							
British	1	3,648	4,087	5,571	3,439	2,942.64	.....
Danzig	1	5,485	8,167	8,952	5,096	5,880.24	.....
Norwegian	1	3,293	4,744	5,295	3,250	4,116.25	76
Totals	3	12,426	16,998	19,738	11,785	12,939.13	76
East coast of Canada to Australasia:							
British	3	10,462	13,030	17,185	10,692	13,077.50	9,628
East coast of Canada to west coast South America:							
British	3	16,112	18,679	27,418	16,639	13,448.88	.....
Cristobal, C. Z., to west coast of Central America:							
British	2	1,286	1,441	2,298	1,304	1,607.50	2,186
East coast of South America to west coast of United States:							
Norwegian	1	2,432	4,354	4,603	2,483	3,040.00	5,368
United States	1	3,545	5,049	5,603	3,547	4,431.25	6,913
Totals	2	5,977	9,403	9,606	6,030	7,471.25	12,281
Cristobal, C. Z., to Balboa, C. Z.:							
Panaman	2	149	158	297	109	182.05	10
Around the world:							
United States	2	12,500	17,697	21,035	12,500	15,625.00	6,218
West Indies to west coast of South America:							
British	1	3,584	4,347	5,938	3,613	4,480.00	7,561
United States	1	325	223	715	330	243.75	.....
Totals	2	3,909	4,570	6,653	3,943	4,723.75	7,561
Africa to west coast of United States:							
United States	2	7,355	8,510	11,889	7,344	6,127.20	.....
Africa to west coast of South America:							
British	2	6,414	10,507	10,398	6,391	7,565.04	.....
East coast of United States to west coast of Central America:							
Norwegian	1	1,418	1,406	1,907	1,136	1,063.50	.....
Europe to west coast of Central America:							
German	1	2,542	3,533	4,201	2,554	3,177.50	3,568

ATLANTIC TO PACIFIC.—Continued.

Nationality.	No. of vessels.	Tonnage. United States equivalent.	Tonnage. Panama Canal net.	Tonnage. Registered gross.	Tonnage. Registered net.	Tolls.	Tons of cargo.
West Indies to west coast of United States:							
United States	1	4,255	4,768	6,883	4,255	$3,432.96	
East coast of Canada to west coast of Canada:							
British	1	3,258	4,073	5,482	3,375	4,072.50	1,075
East coast of South America to Far East:							
Japanese	1	4,170	5,821	7,267	4,387	5,212.50	2,670
Europe to Hawaiian Islands:							
Norwegian	1	2,451	4,322	4,028	2,417	3,063.75	6,040
East coast of United States to Hawaiian Islands:							
United States	1	836	840	1,049	839	1,008.00	1,650
West Indies to Far East:							
British	1	3,182	4,056	5,017	3,174	3,977.50	7,166
West coast of Central America to west coast of United States:							
United States	1	4,149	4,959	6,653	4,154	3,570.48	
West Indies to Balboa, C. Z.:							
British	1	3,542	4,599	5,742	3,532	4,427.50	2,056
West coast of Central America to Balboa, C. Z.:							
Panaman	1	61	57	89	61	45.75	
Totals, June, 1927	247	896,347	1,153,119	1,460,310	896,671	999,889.89	708,569
Totals, June, 1926	219	776,802	999,609	1,257,189	778,292	882,769.15	670,852
Totals, June, 1925	176	656,690	844,179	1,068,868	660,593	753,897.05	600,801

PACIFIC TO ATLANTIC.

United States intercoastal:							
United States	86	349,070	444,514	559,620	348,890	$436,230.40	711,649
West coast of South America to east coast United States:							
British	5	11,781	15,584	20,308	12,076	14,726.25	12,592
German	1	2,846	3,610	4,561	2,864	3,557.50	6,666
Norwegian	1	5,207	5,219	7,041	5,234	6,262.80	9,105
Peruvian	2	2,758	2,947	3,843	2,395	3,433.35	4,005
Swedish	2	7,486	8,917	30,676	8,761	9,357.50	41,500
United States	10	33,990	39,992	59,703	34,202	42,281.95	100,443
Totals	21	64,068	76,269	126,132	65,532	79,619.35	174,311
West coast of Canada to Europe:							
British	7	26,026	34,276	41,960	26,285	32,532.50	56,309
Dutch	2	9,731	12,916	15,675	9,663	12,163.75	18,713
French	2	7,356	9,576	12,089	7,354	9,195.00	16,103
German	1	3,807	5,661	6,097	3,814	4,758.75	7,883
Italian	1	4,686	5,552	7,714	4,662	5,857.50	8,601
Norwegian	2	7,037	8,837	11,373	7,091	8,796.25	15,692
Swedish	1	2,316	4,033	3,877	2,912	2,895.00	5,890
Totals	16	60,959	80,851	98,785	61,781	76,198.75	129,191
West coast of South America to Europe:							
British	7	39,154	50,194	64,596	39,954	48,817.50	38,224
Dutch	2	6,744	9,848	10,880	6,840	8,430.00	15,472
French	1	3,020	4,225	4,892	3,002	3,775.00	6,449
German	3	11,659	15,260	18,564	11,795	14,573.75	23,284
Italian	1	2,705	3,774	4,676	2,632	3,381.25	2,032
Spanish	1	2,459	2,827	4,349	2,565	3,073.75	1,055
Totals	15	65,741	86,128	107,957	66,788	82,051.25	86,516
West coast of United States to Europe:							
British	6	21,698	26,184	36,049	21,948	27,122.50	47,615
German	1	3,010	4,979	5,098	3,007	3,762.50	7,582
Japanese	1	4,268	4,665	5,831	4,227	5,335.00	7,720
Norwegian	3	12,672	16,413	20,846	12,568	15,965.00	26,280
United States	2	9,532	13,363	15,523	9,457	11,915.00	22,100
Totals	13	51,180	65,604	83,347	51,207	64,100.00	111,297

PACIFIC TO ATLANTIC.—Continued.

Nationality.	No. of vessels.	TONNAGE.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered gross.	Registered net.		
Australasia to Europe:							
British	8	50,114	67,484	80,911	50,403	$62,642.50	48,160
French	1	4,287	5,364	7,129	4,332	5,358.75	2,677
Totals	9	54,401	72,484	88,040	54,735	68,001.25	50,837
West coast of South America to Cristobal, C. Z.:							
British	1	424	806	944	482	530.00	.....
Norwegian	1	600	742	1,036	582	534.24	.....
Panaman	3	262	282	471	251	323.30	518
Peruvian	3	4,010	8,315	12,666	6,614	5,012.50	4,128
Swedish	1	344	421	658	436	430.00	726
Totals	9	5,640	10,566	15,775	8,365	6,830.04	5,372
West coast of United States to Cristobal, C. Z.:							
British	1	8,309	9,609	13,056	8,335	10,386.25	16,583
Panaman	1	1,383	2,603	3,644	2,594	1,728.75	715
United States	3	14,213	17,956	23,152	14,335	17,766.25	31,460
Totals	5	23,905	30,168	39,852	25,264	29,881.25	48,758
West coast of United States to east coast of South America:							
British	1	336	460	638	334	420.00	647
United States	3	9,246	10,878	14,951	9,171	11,557.50	23,908
Totals	4	9,582	11,338	15,589	9,505	11,977.50	24,555
Philippine Islands to east coast United States:							
Japanese	2	8,809	11,592	14,033	8,625	11,011.25	17,636
United States	2	8,928	11,418	14,098	8,802	11,160.00	18,435
Totals	4	17,737	23,010	28,131	17,427	22,171.25	36,071
West coast of Canada to east coast of United States:							
Danish	1	2,651	4,583	4,454	2,694	3,313.75	7,300
Norwegian	1	2,519	3,180	3,779	2,391	3,148.75	4,235
United States	2	3,565	4,357	5,930	3,542	4,456.25	6,475
Totals	4	8,735	12,120	14,163	8,627	10,918.75	18,010
West coast of Central America to Cristobal, C. Z.:							
British	2	1,286	1,441	2,298	1,304	1,607.50	1,166
Norwegian	1	485	606	855	482	606.25	1,134
Totals	3	1,771	2,047	3,153	1,786	2,213.75	2,300
West coast of United States to West Indies:							
United States	3	12,891	15,294	20,807	12,880	16,113.75	32,269
West coast of United States to east coast of Central America:							
Danish	1	4,149	4,959	6,653	4,154	5,186.25	8,855
United States	1	1,653	1,910	2,624	1,668	2,066.25	2,200
Totals	2	5,802	6,869	9,277	5,822	7,252.50	11,055
West coast of Canada to West Indies:							
Norwegian	1	3,214	4,134	5,242	3,264	4,017.50	5,125
United States	1	3,638	5,046	5,580	3,541	4,547.50	7,406
Totals	2	6,852	9,180	10,822	6,805	8,565.00	12,531
Far East to east coast of United States:							
Japanese	2	8,762	10,066	12,251	7,492	10,769.05	9,281
West coast of South America to east coast of Canada:							
British	2	13,240	15,353	22,618	13,690	16,550.00	32,196

PACIFIC TO ATLANTIC.—Continued

Nationality.	No. of vessels.	TONNAGE. United States equivalent.	Panama Canal net.	Registered gross.	Registered net.	Tolls.	Tons of cargo.
West coast of South America to West Indies: United States	1	3,468	4,264	5,530	3,379	$4,335.00	5,827
West coast of South America to east coast of South America: Colombian	1	1,199	1,506	2,055	1,251	1,498.75	94
West coast of Central America to West Indies: United States	1	325	223	715	330	243.75	.....
West coast of Central America to east coast of South America: Norwegian	1	600	742	1,036	582	531.24	.....
West coast of Central America to Europe: German	1	2,550	3,392	4,177	2,588	3,187.50	3,401
Far East to West Indies: Norwegian	1	2,487	4,222	4,302	2,450	3,108.75	7,350
Canadian intercoastal: British	1	3,255	4,094	5,404	3,330	4,068.75	6,560
Australasia to Canada: British	1	3,254	4,139	5,448	3,336	4,067.50	1,097
Totals, June, 1927	208	777,474	994,807	1,285,036	783,842	970,488.08	1,520,528
Totals, June, 1926	200	777,274	990,735	1,270,297	777,927	969,901.51	1,463,834
Totals, June, 1925	192	727,513	909,148	1,165,186	730,162	905,593.01	1,319,522

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Two Weeks Ending July 9, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	Tons.
Indiana	French Line	.....	June 26	.....	158
Salvador	Pacific Steam Navigation Co	June 26	July 1	495	1,134
Calamares	United Fruit Co	June 26	June 26	17	19
Cantaro	Pacific Steam Navigation Co	June 26	June 27	60	263
Parismina	United Fruit Co	June 26	June 27	159	56
Cathwood	Union Oil Co	June 26	June 27	10,078	(1)
Erfurt	Roland Line	June 26	June 28	206	387
Ancon	Panama Railroad S. S. Line	.....	June 28	.....	1,035
Ashbee	Grace Line	June 27	June 28	195	22
Pastores	United Fruit Co	June 27	June 29	332	11
Sonora	French Line	June 27	July 1	49	172
Santos	Johnson Line	June 27	June 28	23	104
Ebro	Pacific Steam Navigation Co	June 27	June 27	½	12
Nebraska	Pacific Steam Navigation Co	June 27	June 27	127	56
Bienvenido	Welcome S. S. Co	June 27	June 28	140	(1)
Perene	Peruvian Line	June 28	July 1	380	239
Linda S.	Surgeon Brothers	June 28	June 28	(2)	33
Orbita	Pacific Steam Navigation Co	June 29	June 30	38	65
Almelo	Royal Netherlands S. S. Co	June 29	June 30	(2)	167
Tarsis	Roland Line	June 29	June 30	99	151
Macoris	French Line	June 29	July 1	175	659
Nueva Espana	A. Garcia	June 29	June 30	25	(1)
Dos Hermanos	Isthmian Land & Fruit Co	June 29	June 30	18	(1)
Coppename	United Fruit Co	June 29	June 30	554	116½
Sixaola	United Fruit Co	June 29	June 30	338	575
Santa Teresa	Grace Line	June 29	June 30	(2)	3
Sarapiqua	United Fruit Co	June 30	June 30	12	363
Tivives	United Fruit Co	June 30	June 30	(2)	2
Mantaro	Peruvian Line	June 30		2,315	.....
Virginia	Standard Fruit S. S. Co	June 30	June 30	213	70
Chiriqui	Isthmian Land & Fruit Co	June 30	July 1	248	(1)
London Merchant	Farness, Withy & Co	June 30	July 1	(2)	348
Ecuador	Panama Mail S. S. Line	July 1	July 2	627	244
Virginia	Standard Fruit S. S. Co	July 1	July 2	(2)	423
Dorchester	Leyland Line	July 1	.....	586	.....
Canadian Scottish	Canadian Govt. Mer. Marine	July 2	.....	85	.....
Macabi	United Fruit Co	July 2	.....	130	.....
Teutonia	Hamburg-American Line	July 2	.....	118	.....

[1] No cargo laded.

[2] No cargo discharged.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Two Weeks Ending July 9, 1927.—Cont'd.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Cauca	National Navigation Co.	July 2		273	
U. D. Vinton	G. & A. Bryan	July 2	July 2	(2)	25
San Jose	United Fruit Co.	July 2	July 2	(2)	418
Knute Nelson	Peter Olsen Line		July 3		387
Dorelian	Leyland Line		July 3		12
Macabi	United Fruit Co.		July 3		265
Teutonia	Hamburg-American Line		July 3		135½
Pastores	United Fruit Co.	July 3	July 3	10	23½
Heredia	United Fruit Co.	July 3	July 4	486	106½
Leon XIII	Spanish Line	July 3	July 5	159	7½
Santa Elisa	Grace Line	July 4	July 4	(2)	32
Jacksonville	Grace Line	July 4	July 5	377	(1)
Venezuela	Panama Mail S. S. Co.	July 4	July 6	267	(1)
Ulua	United Fruit Co.	July 4	July 6	310	2½
Magellan	Pacific Steam Navigation Co.	July 4	July 6	115	131
Ansgir	North German Lloyd Line	July 5	July 5	(2)	27
Orita	Pacific Steam Navigation Co.	July 5	July 6	41	24
Siam	East Asiatic Co.	July 5	July 6	286	591
Amsterdam	Royal Netherlands S. S. Co.	July 5	July 6	310	47½
Rialto	Nav. Libera-Tristina	July 5	July 7	96	(1)
Schwarzwald	Hamburg-American Line	July 5	July 9	786	509
Saepearco	Transmarine Lines	July 5	July 6	446	(1)
Tsuyama Maru	Nippon Yusen Kaisha	July 6	July 6	68	(1)
Cristobal	Panama Railroad S. S. Line	July 6		5,568	
Suriname	United Fruit Co.	July 6	July 7	742	90
Mantaro	Peruvian Line		July 7		545
Carrillo	United Fruit Co.	July 6	July 7	137	636
Cauca	National Navigation Co.		July 7		376
Poseidon	Hamburg-American Line	July 6	July 7	5	177
Louqsor	French Line	July 6	July 7	(2)	105
Chiman	Isthmian Land & Fruit Co.	July 6	July 7	32½	(1)
Pensylvanie	French Line	July 6	July 8	578	(1)
Buenos Aires	Spanish Line	July 6	July 8	120	409
Acajutla	Pacific Steam Navigation Co.	July 7		224	
Simon Bolivar	Royal Netherlands S. S. Co.	July 7	July 7	2	(1)
Favorita	Standard Fruit S. S. Co.	July 7	July 7	217	6
City of San Francisco	Panama Mail S. S. Co.	July 7		911	
Garfield	N. O. & S. A. S. S. Co.	July 7	July 7	80	(2)
Siboola	United Fruit Co.	July 7	July 7	4	116
Coppename	United Fruit Co.	July 7	July 7	105	268
Amersfoort	Royal Netherlands S. S. Co.	July 8	July 8	48	(1)
Scania	Colombian Transport Co.	July 8		72½	
Alvarado	Pacific Steam Navigation Co.	July 8	July 9	271	242
Historian	Harrison Line	July 9		490	
W. S. Miller	Standard Oil Co.	July 9		10,773	
San Jose	United Fruit Co.	July 9		276	
Favorita	Standard Fruit S. S. Co.	July 9	July 9	(2)	244
Cavina	Elders & Fyffes, Ltd.	July 9	July 9	(2)	2
Independence	Barber S. S. Line	July 9	July 9	(2)	23

[1] No cargo laded. [2] No cargo discharged.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Two Weeks Ending July 9, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Salvador	Pacific Steam Navigation Co.	June 26	June 26	17	
Cathwood	Union Oil Co.	June 26	June 26	5	
Nora	Grace Line	June 28	June 29	13,457	
Hague Maru	Osaka Shosen Kaisha	June 28	June 28	13	
Ashbee	New York Shipbuiding Co.	June 28	June 28		9
Tango	Ego Aguierre Dammert	June 28	June 29	376	
Ecuador	Panama Mail S. S. Co.	June 30	July 1	293	
Salvador	Pacific Steam Navigation Co.	July 1	July 1		19
Montebello	Union Oil Co.	July 5	July 5	7,444	10
Buenos Aires	French Line	July 5	July 6	119	
Tsuyama Maru	Nippon Yusen Kaisha	July 5	July 6	229	
Venezuela	Panama Mail S. S. Co.	July 6	July 6	8	
Siam	East Asiatic Co.	July 6	July 7	195	
Cambrai	U. S. Government	July 6	July 7	102	1
City of San Francisco	Panama Mail S. S. Co.	July 7	July 7	33	
Schwartzwald	Hamburg-American Line	July 9	July 10	673	
Alvarado	Pacific Steam Navigation Co.	July 9	July 9		1

Current Net Prices on Fuel Oil, Diesel Oil, and Coal.

Crude fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal, for $2.00 per barrel of 42 gallons.

Diesel oil is sold by the Canal at $2.35 per barrel.

Crude fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Crude fuel oil, $1.70 per barrel at Cristobal and Balboa. Diesel oil, Balboa only, $2.15 per barrel.

Coal is supplied to steamships, including warships of all nations, delivered and trimmed in bunkers at $9.00 per ton of 2,240 pounds at Cristobal, and $12.00 at Balboa. For ships in transit through the Canal, which are directed to take coal at Balboa, for the convenience of The Panama Canal, $9.00 per ton at Balboa. When coal is delivered from lighters in quantities of 50 tons or more, the price is $10.00 per ton at Cristobal, $13.00 at Balboa. If less than 50 tons is taken from lighters, prices are $12.00 per ton at Cristobal and $15.00 per ton at Balboa with minimum charge for 20 tons and maximum charge not to exceed that for 50 tons at $10.00 Cristobal and $13.00 Balboa. For furnishing lump coal for galley use, or run of mine coal, in sacks, $6.00 additional per ton; but if vessel furnishes sacks $3.00 additional per ton.

Coal for cargo is sold only by special authority of the Governor, at prices quoted upon application.

For trimming on deck, between decks, or special trimming in bunkers for convenience of vessel, when requested, an additional charge of 90 cents per ton will be made for extra handling.

Deliveries of coal to individual ships can be made up to 1,500 tons per hour, as fast as it can be handled in the ship's bunkers. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity .. .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton ..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton 1 20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to origina point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage in such cases, as provided in Paragraph 4, Item 3, of the tariff, and for handling lines in accordance with Item 4, of the tariff.

Cable Addresses of The Panama Canal.

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

MOVEMENTS OF OCEAN VESSELS.—Continued from page 633.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
July 9	Cavina	Elders & Fyffes, Ltd	Avonmouth via waryports.
July 9	Favorita	Standard Fruit S. S. Co.	San Blas coast, R. P.
July 9	Simon Bolivar	Royal Netherlands S. S. Co.	Port Limon, Costa Rica.
July 9	San Jose	United Fruit Co.	New York via waryports.

* DEPARTURES.

Date.	Vessel.	Line.	For—
July 7	New Daphne	All America Products Co.	Cartagena, Colombia.
July 7	Favorita	Standard Fruit S. S. Co.	San Blas coast, R. P.
July 9	Cavina	Elders & Fyffes, Ltd	Kingston, Jamaica.
July 9	Favorita	Standard Fruit S. S. Co.	New Orleans, La.

PORT OF BALBOA.

Date.	Vessel.	Line.	From—
July 5	Hans Leonhardt [29]	West India Oil Co	Corinto, Nicaragua.
July 6	Pathfinder [30]	A. Valdez	Panama Bay, R. P.

Date.	Vessel.	Line.	For—
July 9	Hans Leonhardt [29]	West India Oil Co.	Talara, Peru.
July 6	Pathfinder [30]	A. Valdez	Panama Bay, R. P.

[29] Motor ship. [30] Motor schooner and barge.

* Other than ships passing through the Canal.

THE PANAMA CANAL RECORD

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., July 20, 1927. No. 50.

Radio Repairs for Vessels.

As a part of its provision of facilities for practically any class of repairs to vessels, The Panama Canal is prepared to do radio repair work for any vessel requesting it. The Electrical Division generally employs one mechanic qualified to make repairs on radio equipment and at present has two such in the organization. There are also in stock some supplies for this class of repair work. With these facilities the organization has been able to make such repairs as have been requested, and it is believed that if there should arise cases which could not be handled satisfactorily they would be exceptional.

The charges for this work are formulated definitely on cost of material and labor, plus the duly published surcharges.[1] Attention of steamship operators and masters is invited to a factor which may increase the charge for labor, and that is that quite generally the mechanic handling radio repairs is required to board the vessel and travel through the Canal and this always results in overtime pay and in travel time charges to account for his return to his place of usual employment. When this occurs it may result in a charge for 10 or 12 hours of labor although the time requried to perform the actual work may be considerably less, but under present operating conditions it is a circumstance which is unavoidable.

[1] Present surcharges are 40 per cent on labor, plus 10 per cent on material and labor as surcharged 40 per cent.

Notice to Mariners.—Flashing Light and Whistling Buoy Established, Pacific Entrance, Panama Canal, at South Fraile Island, Panama Gulf.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., July 16, 1927.

A flashing light and whistling buoy was established at 2.55 p. m., July 15th, in 25 fathoms of water in latitude 7° 19′ 20′ North, longitude 80° 07′ 45″ West.

Bearings from:
- Morro Puerco, 72° 28′ true.
- Raia Point, 133° 48′ true.
- Cape Mala Light, 224° 0′ true.

Color of buoy, black.
Characteristics of light, white–group.
Flashing period: 20 seconds (Flash 0.5 seconds; eclipse 4.5 seconds; flash 0.5 seconds; eclipse 4.5 seconds; flash 5.0 seconds; eclipse 5.0 seconds).
Height of focal plane, 16 feet.
Visibility, 8 miles.

M. L. WALKER,
Governor.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, July 16, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross	Net.
Columbian	9	19.45	10	6.25	10	12.43	10	13.56	American	Amer.-Hawaiian Line	404.6	53.0	21.0	Boston, Mass.	Tacoma, Wash.	General	4,339	6,760	4,450
Steelore	10	5.55	10	6.35	10	14.18	10	22.59	American	Ore S. S. Corp.	550.3	72.2	20.0	New York, N. Y.	Cruz Grande, Chile	Ballast		15,551	4,297
Byron D. Benson [1]	10	8.09	10	8.15	10	15.16	10	16.25	American	Tidewater Oil Co.	465.4	60.2	18.6	New York, N. Y.	Los Angeles, Calif.	Ballast		8,546	5,870
Historian	9	12.35	10	9.10	10	15.56	10	17.15	British	T. and J. Harrison	395.5	52.0	18.3	Liverpool, England	Vancouver, B. C.	Ballast		5,770	3,889
North Cornwall	10	11.15	10	11.25	10	18.31	10	21.16	British	North Shipping Co.	380.0	52.0	14.0	Newcastle, England	Iquique, Chile	Ballast		5,209	3,763
Argon [1]	10	12.18	10	12.35	10	19.20	10	23.52	American	Standard Oil Co.	435.0	56.0	20.6	Providence, R. I.	Los Angeles, Calif.	Ballast		7,386	5,183
W. S. Miller [1]	9	21.45	10	14.06	10	20.03	10	21.16	American	Standard Oil Co.	435.0	56.0	18.10	Cristobal, C. Z.	Los Angeles, Calif.	Ballast		7,470	5,144
Nicoline Maersk [2]	11	6.42	11	7.05	11	14.05	11	15.15	Danish	American Trading Co.	364.0	50.7	14.0	Marseillaise, France	San Francisco, Cal.	Ballast		5,928	4,483
Tusitala [3]	11	8.40	11	9.05	11	16.52	11	19.00	American	J. F. Andrews	261.0	39.0	20.0	New York, N. Y.	Honolulu, T. H.	Ammonia	2,625	1,802	1,646
Oriole	11	8.07	11	9.35	11	17.16	11	18.35	American	Quaker Line	410.5	54.2	19.0	Philadelphia, Pa.	Portland, Oreg.	General	4,555	6,755	4,873
Margaret Dollar	11	11.20	11	11.30	11	18.08	11	22.09	American	Dollar Line	429.0	55.6	20.0	New York, N. Y.	San Francisco, Cal.	General	2,623	7,579	5,527
Sangstad [2]	11	12.25	11	12.48	11	19.15	11	20.30	Norwegian	Fern Line	381.7	53.4	21.0	Galveston, Texas	Nagasaki, Japan	Cotton	4,228	6,100	4,240
Launch [4]			11		11	9.05			American	U. S. Navy				Cristobal, C. Z.	Gatun, C. Z.				
No. 316 [5]	11	12.25	12	6.27	12	15.09			American	U. S. Navy	310.0	31.0	12.6	Nicaragua	Balboa, C. Z.				
Baron Haig	11	14.15	12	6.10	12	15.16	12	17.10	British	H. Hogarth & Sons	342.0	48.6	22.0	Blyth, England	Caleta Buena, Chile	Coal	4,456	3,917	2,759
Mary D.	11	16.50	12	6.15	12	16.04	12	17.16	American	Norton, Lilly & Co.	380.2	53.1	21.3	Norfolk, Va.	Los Angeles, Calif.	Steel	5,318	5,516	3,943
Pomona	11	23.25	12	7.30	12	16.45	12	18.06	American	Isthmian S. S. Lines	440.0	56.0	28.2	New York, N. Y.	Tacoma, Wash.	Steel, general.	9,893	8,324	6,036
Cape Colonin.	12	00.50	12	7.40	12	17.05	12	18.26	British	Amer. & Cand. Shp.Co.	400.0	53.5	19.0	Norfolk, Va.	Vancouver, B. C.	Ballast		6,246	4,499
Georgian	12	9.03	12	9.20	12	17.54	12	19.06	American	Amer.-Hawaiian Line	386.3	52.2	16.0	Charleston, S. C.	Seattle, Wash.	General	2,263	5,719	4,023
Robert E. Hopkins [1]	12	6.03	12	9.45	12	17.33	12	19.06	American	Tidewater Oil Co.	424.4	58.2	18.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,333	5,182
E. T. Bedford [1]	12	7.30	12	10.20	12	18.53	12	20.03	American	Standard Oil Co.	499.2	68.1	23.0	New York, N. Y.	Los Angeles, Calif.	Ballast		10,993	7,893
Svealand [2]	12	10.50	12	11.05	12	20.02	13	3.57	Swedish	Ore S. S. Corp.	550.0	72.0	22.0	Baltimore, Md.	Cruz Grande, Chile	Ballast		15,425	4,421
Wilfzipo.	12	11.25	12	11.35	12	20.37	12	22.05	American	Williams S. S. Line	415.0	55.7	20.0	Baltimore, Md.	Tacoma, Wash.	General	5,300	7,731	5,805
Buenaventura.	10	15.20	12	12.12	12	21.31	12	22.50	American	Panama R. R. S. S. Line	251.0	43.0	19.8	New York, N. Y.	Guayaquil, Ecuador	General	2,326	2,873	1,776
Sydland.	12	15.35	13	6.30	13	14.18	13	15.40	Swedish	Veznesta & Co.	436.0	54.0	16.0	Norfolk, Va.	Cruz Grande, Chile.	Ballast		6,771	4,891
Linkmoor	12	16.07	13	6.20	13	15.08	13	16.10	British	A. R. Miles & Co., Ltd.	331.0	47.0	19.0	Swansea, England	Acajutla, Salvador.	Patent fuel.	3,500	3,583	2,503
J. L. Luckenbach	12	23.15	13	8.20	13	15.46	13	20.30	American	Luckenbach Line	448.9	60.2	25.10	Boston, Mass.	Seattle, Wash.	General	7,000	9,294	6,861
Scania [2]	8	18.30	13	8.55	13	16.38	14	3.25	Swedish	Colombian Transp. Co.	180.0	29.0	12.0	Cristobal, C. Z.	Tumaco, Colombia.	General	750	720	421
Sutherland.	13	6.47	13	10.25	13	17.47	13	21.55	British	Andrew Weir & Co.	400.0	52.4	25.8	Port Tampa, Fla.	Sydney, Australia	Phosphate rock.	6,886	5,698	3,992
George W. Barnes [1]	13	6.28	13	12.15	13	19.05	13	20.15	American	Huasteca Petroleum Co.	416.8	56.1	18.0	New York, N. Y.	Los Angeles, Calif.	Ballast		6,763	4,759
Kastalia	12	21.53	13	13.50	13	20.40	13	22.05	British	Donaldson Brothers.	384.9	52.0	14.6	Liverpool, England	Vancouver, B. C.	General, bananas	637	5,530	3,917
Samuel Q. Brown [1]	13	14.18	13	14.25	13	21.35	13	22.40	American	Tidewater Oil Co.	439.7	58.2	18.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,333	5,183

[1] Tanker. [2] Motor ship. [3] Sailing ship. [4] U. S. Navy launch. [5] Destroyer.

Santa Ana	13	18.10	14	6.05	14	13.47	14	17.35	American	Grace Line	360.2	51.6	22.10	New York, N. Y.	Talcahuano, Chile	General	2,474	5,776	4,081
City of Carlisle	12	19.05	14	6.10	14	14.17	14	15.30	British	Fiserman & Bucknall	434.0	54.7	25.4	New York, N. Y.	Auckland, N. Z.	Case oil, general	4,707	8,124	6,303
Sunugentco	14	20.55	14	7.20	14	14.57	14	16.10	American	Transmarine Lines	324.0	46.0	17.1	Houston, Texas	Aberdeen, Wash.	General	1,615	3,984	2,628
Floridian	13	22.20	14	7.30	14	16.03	14	17.20	American	Amer.-Hawaiian Line	415.0	53.7	21.0	Boston, Mass.	Portland, Oreg.	General	4,235	7,273	5,144
Silver Shell [1]	13	22.40	14	8.30	14	17.03	14	22.34	American	Asiatic Petroleum Co.	412.0	53.4	20.0	Rotterdam Holland	Los Angeles, Calif.	Ballast	.....	6,213	4,343
Edward Luckenbach	14	4.45	14	9.4	14	17.51	14	18.57	American	Luckenbach Line	436.6	57.2	23.4	New Orleans, La.	Tacoma, Wash.	General	4,624	8,543	6,427
City of San Francisco [2]	7	19.30	14	10.55	14	17.31	14	21.32	Panaman	Panama Mail S. S. Co.	296.9	45.0	21.0	Cristobal, C. Z.	San Francisco, Cal.	General	2,772	3,848	2,606
Cali	12	22.05	14	11.0	14	18.45	14	20.40	German	Roland Line	216.6	32.9	15.0	Cristobal, C. Z.	Guayaquil, Ecuador	General	196	1,105	698
Dos Hermanos [6]	13	19.30	14	10.15	14	19.45	14	20.50	Panaman	Isth. Land & Fruit Co	35.0	12.0	.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....	17	13
Bessie A. Anderson [6]	8	13.35	14	10.15	14	19.45	.....	.....	American	Isth. Land & Fruit Co.	47.2	15.3	.....	New York, N. Y.	Balboa, C. Z.	Ballast	.....	19	10
Noorderdijk	13	23.25	15	6.05	15	13.15	15	14.30	Dutch	Holland-American Line	470.0	58.0	20.7	Rotterdam, Holland	Portland, Oreg.	General, coke	2,382	8,888	6,612
Walcheren	14	19.45	15	6.10	15	14.03	15	15.59	Dutch	N. Z. Shipping Co.	359.0	50.0	20.5	Newport News, Va.	Sydney, Australia	General	2,670	4,450	3,268
President Garfield	15	5.25	15	7.25	15	14.19	16	00.20	American	Dollar Line	502.0	62.2	20.0	Boston, Mass.	Singapore, Malay Peninsula.	General	2,638	12,057	8,509
Dixie Arrow [1]	14	20.00	15	7.40	15	14.54	15	20.25	American	Standard Oil Co.	468.3	62.7	21.0	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	9,744	7,140
Cities Service Petrol [1]	15	4.10	15	8.30	15	15.37	15	16.50	American	Cities Service Corp.	468.3	62.6	14.0	Boston, Mass.	Los Angeles, Calif.	Ballast	.....	9,802	7,292
Tejon [1]	15	6.50	15	9.45	15	16.45	16	4.30	American	General Petroleum Co.	426.0	57.0	17.6	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	7,218	4,953
Emidio [1]	15	7.55	15	10.40	15	17.45	15	19.40	American	General Petroleum Co.	435.0	56.2	18.7	Baltimore, Md.	Los Angeles, Calif.	Ballast	.....	7,433	5,089
Oyleric [1]	15	11.58	15	12.10	15	19.22	16	10.20	British	Anglo-American Oil Co	420.3	54.6	17.0	Ellesmere Port, Eng	Los Angeles, Calif.	Ballast	.....	6,397	4,358
Napoli [1]	15	00.25	16	6.15	16	13.12	16	14.15	Italian	Navigazione Generale Italiana.	405.9	51.7	22.5	Genoa, Italy	Valparaiso, Chile	General	1,406	6,740	4,280
Olivebank [2]	15	14.18	16	6.20	16	13.40	16	14.55	British	Andrew Weir & Co.	420.0	53.9	21.0	Philadelphia, Pa.	Nagasaki, Japan	General	6,030	7,097	4,996
Montrolite [2]	15	14.42	16	7.20	16	15.10	16	20.45	British	Imperial Oil Co., Ltd.	510.9	68.3	22.6	Montreal, Canada	Talara, Peru	Ballast	.....	11,555	7,695
James B. Duke	15	16.50	16	8.38	16	16.02	16	17.30	American	Garland S. S. Corp.	385.0	51.0	14.0	New York, N. Y.	Aberdeen, Wash.	Ballast	.....	6,242	4,471
Herman Frasch	15	23.50	16	9.40	16	16.33	16	17.45	American	Union Sulphur Co.	356.0	51.6	17.0	New York, N. Y.	Los Angeles, Calif.	Ballast	.....	5,349	2,950
Pacific Commerce [2]	16	12.10	16	12.20	16	18.57	17	00.10	British	Furness, Withy & Co.	420.0	54.0	19.0	Glasgow, England	Vancouver, B. C.	General	852	6,996	5,306
Sabor	15	20.15	16	12.54	16	19.55	16	21.24	British	Royal Mail S. P. Co.	400.0	52.0	22.3	Antwerp, Belgium	Portland, Oreg.	General	3,506	.....	.....

[1] Tanker. [6] Motor schooner.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Birkenhead [1]	10	3.25	10	6.11	10	13.30	10	13.30	American	Vacuum Oil Co.	426.0	57.2	27.0	San Francisco, Cal.	Boston, Mass.	Gasoline	9,262	7,502	4,982
Drechtdijk	10	7.15	10	9.53	10	17.40	10	22.20	Dutch	Holland-American Line	485.5	62.3	29.6	Victoria, B. C.	Rotterdam, Holland	General	9,499	10,793	7,619
Willboro	10	6.45	10	10.27	10	18.30	10	18.30	American	Williams S. S. Line	414.7	55.7	28.6	Bellingham, Wash.	New York, N. Y.	Lumber & gen'l.	7,768	7,717	5,763
Pacific Shipper [2]	10	2.30	10	12.07	10	17.40	10	19.40	British	Furness, Withy & Co.	420.0	58.0	26.2	Vancouver, B. C.	Manchester, Eng.	General	8,220	7,892	5,858
Solana [1]	10	17.00	11	6.06	11	14.15	11	14.15	American	Associated Oil Co.	419.5	56.5	26.0	San Francisco, Cal.	Bayonne, N. J.	Gasoline	9,870	7,060	5,025
El Panquiaco [7]	9	16.00	11	6.47	11	13.25	11	13.25	Panaman	Panaman Government.	125.0	23.8	15.0	David, R. P.	Cristobal, C. Z.	.....	.....	.....	.....
Dillwyn [1]	10	19.00	11	7.31	11	15.40	11	15.40	American	C. D. Mallory & Co.	435.0	56.0	28.6	Los Angeles, Cal.	San Juan, P. R.	Crude oil	10,835	7,441	5,099
Centaurus	10	20.00	11	8.05	11	16.10	11	16.10	American	Planet Line	409.8	54.2	23.9	Seattle, Wash.	New York, N. Y.	Lumber	7,052	6,581	4,795
La Paz [2]	11	1.45	11	9.09	11	16.45	11	18.20	British	Pacific Steam Nav. Co.	406.3	54.2	27.1	Corral, Chile	Liverpool, England	General	7,839	7,216	4,912
Point Judith	11	6.00	11	9.58	11	17.50	11	20.45	American	Swayne & Hoyt	289.0	44.15	19.1	Vancouver, B. C.	New Orleans, La.	Lumber & gen'l.	2,758	2,902	1,962
Trafalgar	11	9.00	11	11.06	11	18.30	11	18.30	British	Glen & Co.	385.0	52.0	23.10	Iquique, Chile	Mobile, Ala.	Nitrate	7,280	5,174	3,657
Altair [1]	11	9.20	11	13.19	11	20.40	11	20.40	American	Standard Transp. Co.	429.3	59.2	27.0	Los Angeles, Calif.	New York, N. Y.	Gas, oil	10,300	7,695	5,402

[1] Tanker. [7] Coast guard cutter.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Epoca [8]	2	17 15	11	14 00	11	22 50	14	15 00	Norwegian.	Ricardo Holguin	213 9	35.2	11.3	Buenaventura, Col.	Cristobal, C. Z.	Ballast		1,218	742
Yungay	11	13 00	11	14 03	11	22 35	13	18 12	Chilean.	West India Oil Co	164 68	28.08	14.9	Valparaiso, Chile	New York, N. Y.	Lead	436	730	361
Calliope [8] [1]	11	20.15	12	6 03	12	14.40	12	14 40	Danzig	D. A. P. G., Hamburg	470 2	63 2	26 10	Los Angeles, Calif.	Rotterdam, Holland	Gasoline	11,492	9,001	5,927
Clio [8] [1]	11	22.00	12	7 00	12	15 35	12	15.35	Danzig	Baltic-American Petroleum Co.	470 2	63 2	27.0	Talara, Peru	Hamburg, Germany	Naphtha	11,292		
China Arrow [1]	12	2 30	12	8.07	12	16 50	12	16.50	American	Standard Transp. Co	468.3	62.7	28.2	Los Angeles, Calif.	Baltimore, Md.	Gasoline, bulk	11,433	10.083	7,426
Baldhill [1]	11	15.05	12	8 13	12	16.05	12	16 05	American	McAllister Brothers	416 9	56.2	27.10	Los Angeles, Calif	Norfolk, Va	Fuel oil	8,871	6,728	4,690
Iowan	11	15 10	12	8 34	12	17.05	12	17 05	American	Amer.-Hawaiian Line	407 7	53 7	23.6	Seattle, Wash	Boston, Mass	General	5,852	7,091	5,002
Robin Gray	11	16.55	12	9 07	12	17.50	12	17.50	American	Seas Shipping Co	424.8	55 2	27 0	Seattle, Wash	Baltimore, Md	([15])	8,000	7,472	5,542
Hampton Roads [1]	11	19 25	12	9.40	12	18 30	12	18.30	American	Oil Transport Co	431.0	59 2	28.0	Los Angeles, Calif	Philadelphia, Pa.	Fuel oil	11,080	8,093	5,541
Firmore	11	22 30	12	9.55	12	19.30	12	19.30	American	Ore S. S. Corp.	449.1	57 2	30.0	Cruz Grande, Chile	Baltimore, Md	Iron ore	11,169	7,847	5,185
Atago Maru [8]	11	15.05	12	10.43	12	19.00	13	5.50	Japanese.	Nippon Yusen Kaisha.	440 25	57.0	25 3	Manila, P. I	New York, N. Y.	General	7,892	8,158	5,676
Dorothy Luckenbach	12	00 05	12	11.09	12	20.05	12	20.05	American	Luckenbach Line	448.9	60.2	29.7	Portland, Oreg	Boston, Mass	Lumber & gen'l	8,666	9,294	6,861
Atrato [8]	11	23 30	12	11 34	12	20.37			Colombian	Colombian Transp. Co	94 2	24.0	7.0	Buenaventura, Col.	Cristobal, C. Z.	Coffee & hides	124	160	92
Rotorua	11	21 50	12	12.16	12	20 30	12	20.30	British	N. Z. Shipping Co	526.4	61.4	24.0	Wellington, N. Z.	London, England	Frozen & gen'l	7,113	12,846	9,439
Cali	12	1 00	12	12.27	12	22.05	14	1.00	German	Roland Line	216 05	32.9	13.7	Buenaventura, Col.	Cristobal, C. Z.	Cacao and ivory nuts.	690	1,105	698
Romera	12	3 00	12	13.22	12	22.45	12	22.45	British	E. I. Dupont Co	402.25	52.25	29.0	Caleta Colosa, Chile	New Orleans, La.	Nitrate of soda	7,500	5,587	4,205
W. L. Steed [1]	12	8 00	13	7 28	13	15 00	13	15.00	American	Pan.-Amer.Pet.&Tr.Co.	416 8	56.1	26.0	San Francisco, Cal.	New York, N. Y.	Gasoline	9,000	6,751	4,795
Rhein [8]	12	12.35	13	8 07	13	15.25	13	16 50	German	Hamburg-Amer. Line.	453 3	58.15	25.6	San Antonio, Chile	Hamburg, Germany	General	8,554	8,071	5,752
West Montop	13	00.30	13	9.16	13	17.20	13	17.20	American	Calif. & East'n S. S. Co.	410.0	54 4	25 0	Tacoma, Wash	New York, N. Y.	Lumber	6,308	6,484	4,675
Julia Luckenbach	13	3.00	13	10.04	13	18.05	13	18.05	American	Luckenbach Line	436 61	57.25	29.0	Portland, Oreg	New Orleans, La.	General	8,179	8,543	6,402
Albert Jeffress	13	10 50	13	11.28	13	19.25	13	19.25	American	Garland S. S. Corp	384.6	51.2	26.0	Aberdeen, Wash	New York, N. Y.	Lumber	6,000	6,347	4,453
Dos Hermanos [9]	13	7 00	13	10.24	13	19 30	14	10.15	Panaman	Isth. Land & Fruit Co.	43.0	12.0	5.0	Tambu, R. P.	Cristobal, C. Z.	Bananas		17	13
Cricanola [10]	13	6.00	13	7.25	13	14.45	13	14.45	Panaman	United Fruit Co	110.0	14.11		Panama Bay, R. P.	Cristobal, C. Z.			92	57
Chateau Thierry [11]	11	20 10	13	12.20	13	18.45	13	21.50	American	U. S. Army	448.0	58.0		San Francisco, Cal.	New York, N. Y.	Army supplies	218		
Canada [8]	13	8.25	13	13.09	13	21.20	14	12.45	Swedish	Johnson Line	440.0	56.0	26.3	San Francisco, Cal.	Oslo, Norway	General	7,638	7,476	5,484
Nomad [12]			13		14				American	R. Bonneman				Balboa, C. Z.	Cristobal, C. Z.				
Charles G. Black [1]	13	00.45	14	6.18	14	14.20	14	14.20	American	Standard Oil Co. of N.J.	550.3	72.2	31.0	Los Angeles, Calif.	Baltimore, Md	Crude oil	17,406	15,418	10,613
San Nicolas [1] [13]	5	13.58	14	7 14	14	14.55	14	14.55	British	Lago Shipping Co	305.7	50.2	10.0	Balboa, C. Z.	Curacao, D. W. I.	Ballast			
Teno	14	00.05	14	8.13	14	15.50	14	20 40	Chilean	Chilean Line	422.8	56 2	23.7	Valparaiso, Chile	New York, N. Y.	General	4,915	7,758	4,673
Feltore	14	5.18	14	9 15	14	18.55	15	12.10	American	Ore S. S. Corp.	449.1	57.2	28.10	Cruz Grande, Chile	Baltimore, Md	Iron ore	11,000	7,808	5,139
Nevadan	14	8.00	14	10.00	14	18.05	14	18.05	American	Amer.-Hawaiian Line	460.0	57.9	23.10	Portland, Oreg	Boston, Mass	General	5,653	6,835	4,647
Robert Smith No. 324 [14]	8	11.21	14	10 26	14	16.30	15	8.45	American	U. S. Navy	310 0	30.11		Bluefields, Nic'gua.	Bluefields Nic'gua.				1,215

[1] Tanker. [8] Motor ship. [9] Motor schooner. [10] Yacht. [11] U. S. Army transport. [12] Commercial launch. [13] Came south on July 5 for dry-docking only. [14] Destroyer.
[15] Lumber, magnesite, ore, and celite.

Santa Tecla	14	5.30	14	11.38	14	19.15	14	19.15	American	N. O. & S. A. S. S. Co.	293.6	40.0	22.9	Talcahuano, Chile	New Orleans, La.	Nitrate & beans	3,556	2,832	1,803
Nebraskan	6	5.30	14	13.25	14	20.45	14	20.45	American	C. H. Sprague & Son	368.6	55.2	26.6	Everett, Wash	New York, N. Y.	Lumber	6,400	5,887	3,865
Surico	14	12.45	14	13.33	14	22.05	14	22.05	American	Transmarines Lines	324.0	46.2	23.0	Aberdeen, Wash	New York, N. Y.	Lumber	3,900	3,984	2,628
Witell	14	14.15	14	14.52	14	23.30	15	13.05	German	Roland Line	449.6	58.3	25.0	Seattle, Wash	Bremen, Germany	([16])	7,454	7,816	5,755
K. R. Kingsbury [1]	14	14.20	15	6.15	15	13.30	15	13.30	American	Standard Oil Co. of Calif.	440.0	58.2	30.0	Los Angeles, Calif.	New York, N. Y.	Crude oil	11,000	9,033	5,938
Castle Town	14	21.30	15	7.14	15	14.45	15	17.35	American	The Chas. Nelson Co.	321.7	50.0	22.0	Post Angeles, Wash	Newark, N. J.	Lumber	4,530	3,872	2,568
Commercial Spirit	15	2.00	15	8.05	15	15.30	15	15.30	American	Moore & McCormack	380.4	53.1	25.0	Aberdeen, Wash	New York, N. Y.	Lumber	7,000	5,659	4,138
Charles Christensen	12	20.50	15	9.13	15	17.00	15	17.00	American	Arrow Line	409.7	54.2	25.0	Aberdeen, Wash	New York, N. Y.	Lumber	8,850	6,693	4,915
Cape York [8]	15	2.20	15	10.12	15	18.25	15	20.40	British	Can.-Amer. Shipping Co.	410.0	54.0	27.6	Vancouver, B. C.	Hamburg, Germany	Lumber	8,485	6,927	4,802
Manhattan Island	15	9.45	15	11.20	15	19.40	15	19.40	American	Finkbine, Guild Tr. Co.	386.0	52.2	24.1	San Francisco, Cal.	New Orleans, La.	Lumber & gen'l.	6,200	5,696	4,125
J. W. Van Dyke [8] [1]	15	19.00	16	6.04	16	13.35	16	13.35	American	Atlantic Refining Co.	364.9	51.0	25.2	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline, bulk	6,833	5,174	3,528
Jamaica	15	17.15	16	7.06	16	14.30			British	Pacific Steam Nav. Co.	229.0	34.0	11.2	Buenaventura, Col.	Cristobal, C. Z.	Coffee, hides, etc.	554	1,187	622
Croya	16	5.30	16	8.03	16	16.34	16	22.55	British	Pacific Steam Nav. Co	525.3	62.85	26.10	Corral, Chile	Liverpool, England	General	7,022	13,133	9,064
Atlantic City	15	18.40	16	9.29	16	16.35	16	16.35	British	Sir W. R. Smith & Son	411.7	54.5	27.6	Vancouver, B. C.	Boston, Mass.	Lumber	7,350	6,555	4,659
West Cape	16	9.20	16	10.35	16	17.50	17	1.45	American	McCormick S. S. Co.	409.5	54.2	24.0	Portland, Oreg.	Baltimore, Md.	Lumber & gen'l.	8,000	6,566	4,960
Oregon	16	00.30	16	11.27	16	18.30	16	18.30	American	Oregon S. S. Co.	463.5	58.5	27.10	Portland, Oreg.	New York, N. Y.	Lumber & copper	10,131	8,460	6,162
Canadian Cruiser	16	10.05	16	12.08	16	19.25	17	9.40	British	Can. Gov. Mer. Marine.	430.0	56.22	17.6	Sydney, Australia	Montreal, Canada	General	1,547		
Eelbeck	16	5.00	16	13.27	16	21.15	16	21.15	American	American-Pioneer Line.	401.7	54.8	26.6	Manila, P. I.	New York, N. Y.	([17])	8,257	6,928	5,103

[1] Tanker. [16] Copper, lumber, wheat, fresh and dried fruit. [17] Sugar, hemp, and coconut oil. Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
July 10	Cartago	United Fruit Co	New Orleans via Habana.	July 10	San Jose	United Fruit Co	New York via Kingston.
July 10	Ulua	United Fruit Co	Port Limon, Costa Rica.	July 10	Simon Bolivar	Royal Netherlands S. S. Co.	Amsterdam via wayports.
July 11	Linda S [18]	Surgeon Brothers	Colon, R. P.	July 10	Ulua	United Fruit Co	New York via Habana.
July 11	Helen B. Sterling	Sterling S. S. Corporation	High seas.	July 10	Cristobal	Panama Railroad S. S. Line	New York via Haiti.
July 11	Toloa	United Fruit Co	New York via Habana.	July 11	Cartago	United Fruit Co	New York via wayports.
July 11	Pellerin de LaTouche	French Line	Havre via wayports.	July 11	Linda S [18]	Surgeon Brothers	Bluefields, Nicaragua.
July 13	Saramacca	United Fruit Co	New Orleans, La.	July 13	Toloa	United Fruit Co	Port Limon, Costa Rica.
July 13	Santa Marta	United Fruit Co	New York via Kingston.	July 14	Santa Marta	United Fruit Co	Colombian ports.
July 14	Carrillo	United Fruit Co	Cartagena, Colombia.	July 14	Carrillo	United Fruit Co	New York via Kingston.
July 14	Suriname	United Fruit Co	Bocas del Toro, R. P.	July 14	Saramacca	United Fruit Co	Port Limon via Bocas.
July 14	Virginia	Standard Fruit S. S. Co	New Orleans, La.	July 14	Suriname	United Fruit Co	New Orleans, La.
July 14	Inapaquina [18]	United Fruit Co	Colon, R. P.	July 14	Pellerin de LaTouche	French Line	Havre via wayports.
July 15	Teutonia	Hamburg-American Line	Puerto Barrios.	July 14	Virginia	Standard Fruit S. S. Co	San Blas coast, R. P.
July 15	Virginia	Standard Fruit S. S. Co	San Blas coast, R. P.	July 14	Inapaquina [18]	United Fruit Co	Colon, R. P.
July 15	Mayari	United Fruit Co	New York via wayports.	July 14	Pearl Marie [19]	R. Feuillebois	Colon, R. P.
				July 16	Virginia	Standard Fruit S. S. Co	New Orleans, La.
				July 16	Mayari	United Fruit Co	New York via Kingston.

[18] Motor schooner. [19] Schooner.

PORT OF BALBOA.

July 13	Pathfinder [20]	Antonio Valdez	Bayano River, R. P.	July 13	Pathfinder [20]	Antonio Valdez	Bayano River, R. P.

[20] Motor schooner and barge.

*Other than ships passing through the Canal.

Origin and Destination of Cargo Passing Through the Panama Canal, From the Atlantic to the Pacific, June, 1927.

(Figures represent tons of 2,240 pounds.)

From—	South America.						North America.							Asia.					Australasia.					
	Chile.	Colombia.	Ecuador.	Peru.	West coast of South America.[1]	Total, South America.	West coast of United States.	West coast of Canada.	West coast of Central America.	West coast of North America.[1]	Balboa, C. Z.[2]	Hawaii.	Total, North America.	Japan.	China.	Philippines.	Far East.[1]	Total, Asia.	Australia.	New Zealand.	Australasia[1]	Total, Australasia.	Grand totals.	Per cent of total cargo.
North America:																								
United States—																								
North Atlantic ports	10,381	3,839	506	10,310	13,952	38,988	238,679	698	382	2,430	775	2,087	245,051	18,291	16,352	4,547	30,296	69,486	27,413	6,568	.....	33,981	387,506	54.7
South Atlantic ports	.....	.....	.....	.....	.....	.....	517	.....	.....	.....	.....	923	1,440	1,967	755	.....	.....	2,722	.....	.....	.....	.....	4,162	0.6
Gulf ports	.....	.....	.....	.....	2,025	2,025	23,467	2,476	.....	.....	.....	2,187	28,130	36,407	10,443	.....	5,472	52,322	12,977	2,070	.....	15,047	97,524	13.7
Totals, United States	10,381	3,839	506	10,310	15,977	41,013	262,663	3,174	382	2,430	775	5,197	274,621	56,665	27,550	4,547	35,768	124,530	40,390	8,638	.....	49,028	489,192	69.0
Cristobal, C. Z.[2]	404	2,865	552	1,076	1,433	6,330	2,939	.....	3,970	.....	10	.....	6,919	.....	2,006	.....	.....	2,006	.....	.....	.....	.....	15,255	2.1
East coast of Canada	.....	.....	.....	.....	.....	.....	.....	1,075	.....	.....	.....	.....	1,075	.....	.....	.....	.....	.....	3,578	3,000	3,050	9,628	10,703	1.6
West Indies	1,027	.....	.....	.....	.....	1,027	278	7,012	.....	.....	2,050	.....	9,346	.....	7,166	.....	.....	7,166	.....	.....	.....	.....	17,539	2.5
E. coast of Mexico and Cen. Am.	7,561	.....	.....	.....	.....	7,561	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,561	1.1
Totals, North America	19,373	6,704	1,058	11,386	17,410	55,931	265,880	11,261	4,352	2,430	2,841	5,197	291,961	56,665	36,722	4,547	35,768	133,702	43,968	11,638	3,050	58,656	540,250	76.3
Europe:																								
British Isles	12,139	.....	.....	257	4,992	17,388	461	3,315	.....	1,270	.....	.....	5,046	.....	.....	.....	.....	.....	1,450	40,086	.....	41,536	63,970	9.0
Belgium	.....	598	.....	.....	3,901	4,499	11,798	870	.....	523	.....	.....	13,191	.....	.....	.....	.....	.....	.....	.....	.....	.....	17,690	2.5
France	.....	.....	.....	.....	153	153	3,458	25	60	.....	.....	.....	3,543	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,696	0.5
Germany	.....	910	.....	190	5,329	6,429	1,248	.....	.....	204	.....	.....	1,452	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,881	1.2
Holland	.....	.....	.....	.....	.....	.....	1,277	180	.....	.....	.....	.....	1,457	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,457	0.2
Italy	231	.....	.....	.....	.....	231	1,528	30	.....	.....	.....	.....	1,558	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,789	0.2
Norway and Sweden	.....	.....	.....	.....	.....	.....	1,150	.....	.....	.....	.....	.....	1,150	.....	.....	.....	.....	.....	4,020	.....	.....	4,020	5,170	0.7
Spain and Portugal	.....	.....	.....	.....	358	358	.....	205	.....	.....	.....	.....	205	.....	.....	.....	.....	.....	.....	.....	.....	.....	563	0.1
Europe[1]	1,489	.....	78	854	25,501	27,922	12,477	1,006	3,683	4,417	.....	.....	21,583	.....	.....	.....	.....	.....	896	.....	.....	896	50,401	7.1
Totals, Europe	13,859	1,508	78	1,301	40,234	56,980	33,397	5,631	3,743	6,414	.....	.....	49,185	.....	.....	.....	.....	.....	6,366	40,086	.....	46,452	152,617	21.5
East coast of South America	.....	2,173	.....	.....	.....	2,173	10,555	2,200	.....	.....	.....	.....	12,755	774	.....	.....	.....	774	.....	.....	.....	.....	15,702	2.2
Grand totals	33,232	10,385	1,136	12,687	57,644	115,084	309,832	19,092	8,095	8,844	2,841	5,197	353,901	57,439	36,722	4,547	35,768	134,476	50,334	51,724	3,050	105,108	708,569	100.0
Per cent of total cargo:																								
June, 1927	4.7	1.6	0.1	1.7	8.2	16.3	43.7	2.7	1.1	1.3	0.4	0.7	49.9	8.1	5.2	0.6	5.1	19.0	7.1	7.3	0.4	14.8	100.0	.....
June, 1926	3.7	0.2	.....	0.2	9.8	13.9	39.2	3.7	2.9	2.9	.....	1.8	50.5	8.3	3.4	0.2	6.5	18.4	6.1	9.1	2.0	17.2	100.0	.....
June, 1925	4.2	.....	.....	0.4	12.6	17.2	39.1	4.9	1.6	0.6	.....	0.5	46.7	4.8	5.2	2.1	6.5	18.6	7.4	9.7	0.4	17.5	100.0	.....

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

Origin and Destination of Cargo Passing Through the Panama Canal, from the Pacific to the Atlantic, June, 1927.

(Figures represent tons of 2,240 pounds.)

From—	North America. United States. North Atlantic ports.	North America. United States. South Atlantic ports.	North America. United States. Gulf ports.	North America. United States. Total, United States.	North America. East coast of Canada	North America. West Indies.	North America. East coast of Mexico.	North America. Cristobal, C. Z.[2]	North America. Total, North America.	Europe. British Isles.	Europe. Belgium.	Europe. Denmark.	Europe. France.	Europe. Germany.	Europe. Holland.	Europe. Italy.	Europe. Norway and Sweden.	Europe. Europe.[1]	Europe. Total, Europe.	East coast of South America.	Egypt.	Africa.	Grand totals.	Per cent of total cargo
South America:																								
Chile	160,879		3,683	164,562		197			164,759	26,210	829		3,122	10,271	297	1,846		20,467	63,042				227,801	15.0
Colombia	2,218			2,218				2,376	4,594	1								59	60	98			4,752	0.3
Ecuador	928			928				658	1,586					40		25		1,203	1,268				2,854	0.2
Peru	5,174			5,174	32,196	5,827		3,386	46,583	10,273	686		16	1,846		2		1,798	14,615				61,198	4.0
West coast of South America[1]	536			536				33	569	3,099				82				2,934	6,115				6,684	0.4
Totals, South America	169,735		3,683	173,418	32,196	6,024		6,453	218,091	39,583	1,515		3,132	12,239	297	1,873		26,461	85,100	98			303,289	19.9
North America:																								
West coast of Canada	22,816		1,207	24,023	6,560	5,131	2,200		37,914	38,480	2,903		4,932	5,093	3,057	255	3,612	16,102	74,434	1,139			113,487	7.5
West coast of Central America	1			1				3,079	3,080					912	3,462		541	7	4,922				8,002	0.5
West coast of United States	664,851	798	29,405	695,054		10,168	2,154	56,553	793,929	100,436	3,895	1,334	3,766	10,937	8,958	458	2,405	21,936	154,125	35,303			983,357	64.7
Hawaii																								
West coast of North America[1]	2,420		416	2,836					2,836	2,649			101					2,171	4,921				7,757	0.5
Totals, North America	690,088	798	31,148	722,034	6,560	45,299	4,354	59,632	837,879	141,565	6,798	1,334	8,799	16,942	15,477	713	6,558	40,216	233,402	36,442			1,112,723	73.2
Asia:																								
China	2,247			2,247				576	2,823														2,823	0.2
Japan	5,368			5,368					5,368														5,368	0.4
Philippines	27,881		3,556	31,437					31,437														31,437	2.1
Far East[1]	5,581			5,581		7,350		23	12,954														12,954	0.8
Totals, Asia	41,077		3,556	44,633		7,350		599	52,582														52,582	3.5
Australasia:																								
Australia	876			876	132			89	1,097	7,513									7,513				8,610	0.6
New Zealand	1,386			1,386					1,386	39,261									39,261				40,647	2.6
Australasia[1]													2,677						2,677				2,677	0.2
Totals, Australasia	2,262			2,262	132			89	2,483	46,774			2,677						49,451				51,934	3.4
Grand totals	903,162	798	38,337	942,347	38,888	58,673	4,354	66,773	1,111,035	227,922	3,313	1,334	14,608	29,181	15,774	2,586	6,558	66,677	372,953	36,540			1,520,528	100.0
Per cent of total cargo:																								
June, 1927	59.4	0.1	2.5	62.0	2.5	3.9	0.3	4.4	73.1	15.0	0.5	0.1	1.0	1.9	1.0	0.2	0.4	4.4	24.5	2.4			100.0	
June, 1926	62.1	1.1	1.2	64.4	6.2	0.1		2.5	73.2	12.2	0.9		0.1	2.1	0.2	0.1		9.7	25.3	1.1	0.4		100.0	
June, 1925	56.5	2.5	6.4	65.4	3.7			1.2	70.3	16.4	1.7	0.1	2.6	1.5	0.3	0.1	0.6	3.0	26.3	0.5	1.7	1.2		

[1] General cargo not routed so as to allow segregation between definite ports.

[2] Includes both local and transit cargo.

New Family Quarters at New Cristobal.

The building program for the present fiscal year provides for the construction of 32 two-story and 7 one-story concrete and frame 2-family quarters. These are now being built at New Cristobal in the improved area west of the present quarters and between Seventh Street, Boundary Road, and Melendez Avenue. They will provide quarters for 78 families and are necessary because of the need for dismantling some of the old houses at Cristobal.

The estimated cost is $484,971, including an estimate of $50,000 for new furniture and $11,535 for exterior electrical installation.

Traffic by Nationality for June, 1927.

The following tabulations show the commercial traffic through the Canal during the month of June, 1927, classified according to nationality of vessels by direction of transit, and the combined traffic in both directions, together with corresponding totals for June, 1926 and 1925:

ATLANTIC TO PACIFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
British	60	236,206	307,845	382,199	235,114	$267,605.00	170,360
Chilean	1	3,479	4,672	7,310	3,976	4,348.75	1,626
Colombian	2	1,280	1,598	2,208	1,319	1,600.00	1,865
Danish	1	2,634	4,268	4,289	2,675	3,072.96	.....
Danzig	2	10,692	14,094	17,696	10,122	10,147.68	.....
Dutch	4	18,362	23,169	29,766	18,191	22,952.50	14,044
Ecuadorian	1	135	143	259	121	102.96	.....
French	4	13,557	18,183	22,333	13,751	16,946.25	11,301
German	7	18,523	24,294	30,059	18,298	23,153.75	28,028
Italian	4	17,327	19,586	25,590	15,718	21,533.30	11,353
Japanese	9	35,287	42,857	54,559	34,463	41,420.10	45,981
Norwegian	14	32,182	47,545	52,906	31,578	37,536.82	41,618
Panaman	5	1,706	2,942	2,964	1,663	2,045.83	1,794
Peruvian	4	8,078	11,521	16,099	9,269	9,962.80	5,693
Spanish	1	3,017	3,844	5,205	3,226	3,771.25	358
Swedish	5	13,771	20,121	32,136	16,826	15,155.70	11,948
United States	122	476,564	606,901	769,097	476,824	514,100.49	355,750
Yugoslav	1	3,547	4,536	5,635	3,537	4,433.75	6,850
Totals, June, 1927	247	896,347	1,158,119	1,460,310	896,671	999,889.89	708,569
Totals, June, 1926	219	776,802	999,609	1,257,189	778,292	882,769.15	670,852
Totals, June, 1925	176	656,690	844,179	1,068,868	660,593	753,897.05	600,801

PACIFIC TO ATLANTIC.

Nationality.	No. of vessels.	Tonnage.				Tolls.	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
British	42	178,877	229,624	294,230	181,477	$223,471.25	261,149
Colombian	1	1,199	1,506	2,055	1,251	1,498.75	94
Danish	2	6,800	9,542	11,107	6,848	8,500.00	16,155
Dutch	4	16,475	22,764	26,555	16,503	20,593.75	34,185
French	4	14,663	19,165	24,110	14,688	18,328.75	25,229
German	7	23,872	32,902	38,397	24,068	29,840.00	48,816
Italian	2	7,391	9,326	12,390	7,294	9,238.75	10,633
Japanese	5	21,839	26,323	32,115	20,344	27,115.30	34,637
Norwegian	12	34,821	44,095	55,510	34,644	42,973.78	68,921
Panaman	4	1,645	2,885	4,115	2,845	2,052.05	1,233
Peruvian	5	6,768	11,262	16,509	9,009	8,445.85	8,133
Spanish	1	2,459	2,827	4,349	2,565	3,073.75	1,055
Swedish	4	10,146	13,371	35,211	12,109	12,682.50	48,116
United States	115	450,519	569,215	728,283	450,197	562,673.60	962,172
Totals, June, 1927	208	777,474	994,807	1,285,036	783,842	970,488.08	1,520,528
Totals, June, 1926	200	777,274	990,735	1,270,297	777,927	969,901.51	1,463,834
Totals, June, 1925	192	727,513	909,148	1,165,186	730,162	905,593.01	1,319,522

COMBINED TRAFFIC.

Nationality.	No. of vessels.	Tonnage.				Tolls	Tons of cargo.
		United States equivalent.	Panama Canal net.	Registered.			
				Gross.	Net.		
British	102	415,083	537,469	676,429	416,591	$491,076.25	431,509
Chilean	1	3,479	4,672	7,310	3,976	4,348.75	1,626
Colombian	3	2,479	3,104	4,263	2,570	3,098.75	1,959
Danish	3	9,434	13,810	15,396	9,523	11,572.96	16,155
Danzig	2	10,692	14,094	17,696	10,122	10,147.68	.....
Dutch	8	34,837	45,933	56,321	34,694	43,546.25	48,229
Ecuadorian	1	135	143	259	121	102.96	.....
French	8	28,220	37,348	46,443	28,439	35,275.00	36,530
German	14	42,395	57,196	68,556	42,366	52,993.75	76,844
Italian	6	24,718	28,912	37,980	23,012	30,772.05	21,986
Japanese	14	57,126	69,180	86,674	54,807	68,535.40	80,618
Norwegian	26	67,093	91,640	108,416	66,222	80,510.60	110,539
Panaman	9	3,351	5,827	7,079	4,538	4,097.88	3,027
Peruvian	9	14,846	22,763	32,608	18,278	18,4[illegible]8.65	13,826
Spanish	2	5,476	6,671	9,554	5,791	6,845.00	1,413
Swedish	9	23,917	33,492	67,347	28,935	27,838.20	60,064
United States	237	927,083	1,176,116	1,497,380	927,021	1,076,774.09	1,317,922
Yugoslav	1	3,547	4,536	5,635	3,537	4,433.75	6,850
Totals, June, 1927	455	1,673,821	2,152,926	2,745,346	1,680,513	1,970,377.97	2,229,097
Totals, June, 1926	419	1,554,076	1,990,344	2,527,486	1,556,219	1,852,670.66	2,134,686
Totals, June, 1925	363	1,334,203	1,753,327	2,234,054	1,390,755	1,659,490.06	1,920,323

Canal Traffic During First Fifteen Days of July.

During the first 15 days of July, 1927, 249 commercial vessels and 8 small nonseagoing launches transited the Canal. Tolls on the commercial vessels aggregated $1,057,944.66, and on the launches $65.15, or a total tolls collection of $1,058,009.81.

The daily average of transits of commercial vessels was 16.6, and the daily average tolls collection, $70,529.64. The average amount of tolls paid by each of the commercial transits was $4,248.77, as compared with $4,344.05 for the first 15 days of June.

In the following tabulation, the number of commercial transits and the amount of tolls collected are shown for the first 6½ months of the current calendar year, which will end December 31, 1927, with the daily average of transits and tolls:

Month.	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
January	443	$1,984,760.71	14.29	$64,024.54
February	449	1,994,860.82	16.03	71,245.03
March	496	2,217,913.20	16.00	71,545.59
April	464	2,065,296.92	15.46	68,840.23
May	471	2,066,070.73	15.19	66,647.44
June	455	1,970,377.97	15.16	65,679.26
July (first 15 days)	249	1,057,944.66	16.60	70,529.64
Totals	3,027	13,357,135.01	15.44	68,148.65

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending July 16, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo—	
				Discharged	Laded.
				Tons.	*Tons.*
Atago Maru	Nippon Yusen Kaisha	July 11	July 12	192	.....
Chateau Thierry	U. S. Government	July 12	July 13	700	387
Scania	Amelin Brothers	July 13	July 14	.....	3
City of San Francisco	Panama Mail S. S. Co.	July 14	July 14	.....	33
President Garfield	Dollar Line	July 15	July 15	.....	1

United States Intercoastal Traffic by Commodities for June, 1927.

The following table shows the cargo carried through the Canal in the United States intercoastal trade, segregated by commodities and by direction, with the totals for June, 1927, and the totals for June, 1926, and 1925. Cargo statistics are compiled from cargo declarations submitted by masters of vessels, and in these declarations small items are frequently grouped under the designation of "General Cargo." These statistics are accordingly not precise but they are indicative of the kind and quantity of the cargo in transit through the Canal. The figures represent tons of 2,240 pounds, and are for the United States intercoastal trade only:

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Agricultural implements	852		852
Asbestos	130		130
Asphalt		15	15
Automobiles	1,076	67	1,143
Automobile accessories	879	57	936
Beans		4,262	4,262
Borax		1,360	1,360
Burlap		226	226
Camphor		133	133
Canned goods:			
Fish	224	5,322	5,546
Fruit	137	13,799	13,936
Meat	150		150
Milk		1,024	1,024
Vegetables	999	3,781	4,780
Other	450	1,824	2,274
Carbon black	41		41
Cement	1,599		1,599
Charcoal	59	162	221
Chemicals	2,653	232	2,885
China and fire clay	110		110
Coal	1,497		1,497
Cocoa	40		40
Coffee		26	26
Cold storage:			
Butter		16	16
Cheese		35	35
Lard	353		353
Tallow		210	210
Confectionery	150		150
Cotton	148	1,872	2,020
Creosote	320		320
Cyanide	100		100
Drugs	105		105
Earthenware		63	63
Fertilizer	100		100
Flour		3,351	3,351
Fruit, dried		5,482	5,482
Fruit, fresh		100	100
Fuller's earth	1,050		1,050
General	89,624	10,598	100,222
Glass	1,088	837	1,925
Hair		101	101
Hardwoods	452	438	890
Hay		896	896
Hemp		1,204	1,204
Horns and hoofs		200	200
Infusorial earth		13	13
Lime		24	24
Linoleum	314	12	326
Lumber	723	252,004	252,727
Manufactured goods:			
Iron and steel	108,815	355	109,170
Machinery	4,886	734	5,620
Railroad material	3,703		3,703
Textiles	3,117	104	3,221
Other	762	822	1,584
Metals:			
Antimony		88	88
Copper	158	8,876	9,034
Iron	609		609
Lead		1,046	1,046
Scrap	992	118	1,110
Tin	13,788	45	13,833
Zinc	200		200
Other	109	146	255

Commodity.	Atlantic to Pacific.	Pacific to Atlantic.	Totals.
Milk, powdered		237	237
Oils:			
Coconut		12	12
Crude		164,729	164,729
Gas and fuel oil		25,205	25,205
Gasoline, benzine, and naphtha		145,603	145,603
Lubricating and greases	3,835	10,095	13,930
Vegetable	212	4	216
Wood		18	18
Other	220		220
Ores:			
Antimony		50	50
Magnesite		3,611	3,611
Tin		305	305
Paint	30	61	91
Paper	4,045	1,033	5,078
Paper pulp		53	53
Peanuts		112	112
Phosphates	100		100
Porcelain		168	168
Rags		382	382
Rice		25	25
Rope		93	93
Rosin	262		262
Rubber:			
Manufactured	1,332	36	1,368
Scrap		113	113
Salt	46		46
Sand	1,522		1,522
Seeds		303	303
Shells, oyster	450		450
Silk		107	107
Skins and hides		2,887	2,887
Slate	50		50
Soap	1,648	13	1,661
Soda	178		178
Soda, ash	379		379
Soda, caustic	296	10	306
Sugar	639	11,908	12,547
Sulphur	4,300		4,300
Talc		30	30
Tea		45	45
Tobacco	552		552
Toys		35	35
Waste		84	84
Wax		44	44
Wool		5,563	5,563
Totals, June, 1927	262,663	695,054	957,717
Totals, June, 1926	227,689	710,912	933,601
Totals, June, 1925	194,582	621,639	816,221

Supplement No. 6 to Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., July 9, 1927.

Paragraph 7 of Chapter XV of the *Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters* is amended by the addition of the following signal, to be inserted on page 64:

Slow down in Balboa Basin to take on or discharge passengers or stores.

M. L. WALKER,
Governor.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending July 16, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons	*Tons*
Cristobal	Panama Railroad S. S. Line		July 10.		2,622
San Jose	United Fruit Co		July 10.		5[illegible]6
Simon Bolivar	Royal Netherlands S. S. Co		July 10.		7[illegible]6
Ulua	United Fruit Co	July 10.	July 11.	6	7[illegible]
Drechtdijk	Holland-American Line	July 10.	July 10.	(1)	160
Cartago	United Fruit Co	July 10.	July 11.	125	90
Buenaventura	Panama Railroad S. S. Line	July 11.	July 12.	522	9[illegible]7
Linda S.	R. Jenkins	July 11.	July 11.	(1)	2,[illegible]
Tolica	United Fruit Co	July 11.	July 13.	321	23
Scania	Colombian Transport Co		July 13.		7[illegible]
P. de LaTouche	French Line	July 11.	July 14.	117	6[illegible]2
Kastalia	Donaldson Brothers	July 12.	July 13.	(1)	1[illegible]6
Atrato	Colombian Transport Co	July 12.		124	
Cali	Leonard Line	July 12.	July 14.	6[illegible]	1[illegible]
Atago Maru	Nippon Yusen Kaisha	July 12.	July 13.	1[illegible]	(2)
Saramacca	United Fruit Co	July 13.	July 14.	32.	51
Santa Marta	United Fruit Co	July 13.	July 14.	27[illegible]	31[illegible]
Santa Ana	Grace Line	July 13.	July 14.	(1)	61
Noorderdijk	Holland-American Line	July 13.	July 14.	17	525
Canada	Johnson Line	July 13.	July 14.	(1)	1[illegible]4
Dos Hermanos	Lithuanian Land & Fruit Co	July 13.	July 14.	32	(2)
Virginia	Standard Fruit S. S. Co	July 14.	July 14.	294	6
Texo	Colombian Line	July 14.	July 14.	5	114
Carrillo	United Fruit Co	July 14.	July 14.	(1)	168
Surinamo	United Fruit Co	July 14.	July 14.	1	2[illegible]4
City of San Francisco	Panama Mail S. S. Co		July 14.		3 012
Witell	North German Lloyd S. S. Line	July 14.	July 15.	(1)	[illegible]04
Lenne	Nav. Ultramarina	July 15.		117	
Virginia	Standard Fruit S. S. Co	July 15.	July 16.	(1)	625
Teutonia	Hamburg-American Line	July 15.		6	
Napoli	Italian Line	July 15.	July 16.	219	5[illegible]
Mavari	United Fruit Co	July 15.	July 16.	(1)	35[illegible]
Sator	Royal Mail S. P. Co	July 15.	July 16.	254	
Orova	Pacific Steam Navigation Co	July 16.	July 16.	12	52
Jamaica	Pacific Steam Navigation Co	July 16.		554	
Losada	Pacific Steam Navigation Co	July 16.		194	
Canadian Cruiser	Canadian Gov. Mer. Marine	July 16.		152	

[1] No cargo discharged. [2] No cargo laded.

Official Circulars.

Appointment.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., July 14, 1927.

To all concerned.—Surgeon John D. Long, United States Public Health Service, is appointed Chief Quarantine Officer, effective this date, *vice* Surgeon Carlisle P. Knight, United States Public Health Service, relieved from duty with The Panama Canal.

M. L. WALKER,
Governor.

Appointment.

THE PANAMA CANAL, EXECUTIVE OFFICE,
BALBOA HEIGHTS, C. Z., July 15, 1927.

To all concerned.—1. Effective July 17, 1927, Commander Isaac C. Kidd, U. S. N., is appointed Captain of the Port of Cristobal, and Chairman, Board of Local Inspectors, *vice* Commander Walter F. Jacobs, U. S. N., relieved from duty with The Panama Canal on July 16, 1927.

2. Effective July 17, 1927, and during the remainder of the absence of Capt. John Downes, U. S. N., on leave, Commander Isaac C. Kidd will act as Marine Superintendent and Supervising Inspector, Board of Local Inspectors.

M. L. WALKER,
Governor.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Transit and Harbor Regulations of The Panama Canal," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometric comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., July 27, 1927. No. 51.

Yawl "M. F. Benefit" Sunk by Collision Off Cristobal.

The American steamship *Castletown*, owned and operated by the Charles Nelson Co., and the *M. F. Benefit*, a British yawl, owned and operated by Augustus Britton of Corn Island, Nicaragua, collided outside of the breakwaters of Cristobal Harbor on July 15, 1927, at a point about 1¾ miles North 33 degrees East from the East Breakwater Light. The *M. F. Benefit*, which carried a crew of 8 men and 5 passengers, sank within an hour. Ten of the people aboard her were thrown into the water by the collision. All were saved except a seaman, Charles Downs, Nicaraguan, who was drowned in trying to rescue a woman passenger.

The *Castletown*, en route from Los Angeles to New York, passed through the Canal on July 15 and after fueling at Cristobal, cleared for sea at 5.35 p. m. The *M. F. Benefit* cleared from Colon for Bluefields, Nicaragua, at 5.45 p. m. The collision occurred outside of Canal waters after the dropping of the Canal pilot from the *Castletown*, which struck the yawl in the stern.

The wreck of the *M. F. Benefit* has been marked as a menace to navigation and will be removed shortly.

French Tug Transits Canal Free of Tolls.

The French tug *Nembrou*, operated by the Societe Anonyne le Nickel, transited the Canal on July 2, 1927, en route from Dunkirk, France, to New Caledonia. Owing to the large ratio of machinery space in relation to gross tonnage of this vessel, as is true of most tugs, it transited free of tolls. Under the present method of assessing tolls the charge for vessels in ballast is 72 cents per net ton, Panama Canal measurement, with the proviso that the sum total shall not exceed $1.25 per net ton as determined under the rules for measurement for registry in the United States. In admeasuring the *Nembrou* which transited in ballast, it was found that the propelling power space, increased by 75 per cent of itself, together with all other legitimate deductions for crew, navigation spaces, etc., comprised a sum of deductions greater than the gross tonnage which, from a mathematical standpoint, occasioned a negative tonnage. In consequence of this condition, the Panama Canal net tonnage times 72 cents was greater than the maximum allowed (zero x $1.25) and hence no tolls were collectable.

Similar free transits had occurred before in the case of some British tugs.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

Tanker Traffic Through the Panama Canal in June, 1927.

During the month of June, 109 tank ships transited the Canal, with an aggregate net tonnage, Panama Canal measurement, of 595,946, on which tolls of $519,992.37 were collected. In point of net tonnage, tanker traffic for the past month showed an increase of approximately 1.8 per cent over the same traffic for the corresponding month a year ago, while cargo tonnage showed a decrease of approximately 4.4 per cent under the same tonnage of June, 1926.

Tank ships comprised 23.9 per cent of the total commercial transits of the Canal during the month; made up approximately 26.3 per cent of the total Panama Canal net tonnage; were the source of 26.5 per cent of the tolls collected; and carried approximately 25.4 per cent of the total cargo in transit through the Canal.

The number, aggregate tonnage, tolls, and cargo of tank ships transiting the Canal during the month of June, 1927, segregated by direction of transit and nationality of vessels, are shown in the following tabulations, with comparative totals for the two preceding months and for June, 1926:

Nationality.	No. of ships.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
Atlantic to Pacific.				
British	14	71,368	$53,851.34	9,617
Danzig	2	14,094	10,147.68	.....
Ecuadorean	1	143	102.96	.....
Norwegian	1	5,331	3,838.32	.....
United States	37	205,717	148,302.92	.....
Totals, June, 1927	55	296,653	216,243.22	9,617
Totals, May, 1927	60	346,711	255,560.32	12,462
Totals, April, 1927	58	338,575	247,792.46	18,349
Totals, June, 1926	49	276,322	200,389.82	7,203
Pacific to Atlantic.				
British	8	46,919	49,896.25	89,020
United States	46	252,374	253,852.90	469,139
Totals, June, 1927	54	299,293	303,749.15	558,159
Totals, May, 1927	55	315,740	326,989.40	599,659
Totals, April, 1927	65	372,701	383,190.90	700,520
Totals, June, 1926	52	308,768	318,781.50	586,498

Of the total tanker traffic shown above, the following is a summary of the vessels giving Los Angeles as their port of origin or destination, together with the totals for the two preceding months and for June, 1926:

	No. of vessels.	Panama Canal net tonnage.	Tolls.	Tons of cargo.
To Los Angeles.				
June, 1927	42	234,008	$168,673.44	.....
May, 1927	47	265,106	191,831.25	.....
April, 1927	41	240,533	173,183.76	.....
June, 1926	41	231,187	166,536.78	.....
From Los Angeles.				
June, 1927	46	252,378	255,559.15	468,701
May, 1927	41	236,931	244,372.50	449,264
April, 1927	48	288,359	294,804.70	545,928
June, 1926	44	265,698	273,946.50	500,651

CANAL WORK IN JUNE, 1927.

The following is the report of the Governor to the Secretary of War, of Canal work in the month of June, 1927:

BALBOA HEIGHTS, C. Z., *July 17, 1927.*

The Honorable, the Secretary of War,
Washington, D. C.

SIR: I have the honor to submit the following report of The Panama Canal for the month of June, 1927, which closes the fiscal year ending June 30, 1927:

CANAL TRAFFIC FOR FISCAL YEAR.

The fiscal year 1927 was the thirteenth fiscal year of Canal operation. The number of vessels transiting the Canal, and the revenue collected in tolls for the year were as follows:

	Number of transits.	Tolls collected.
Commercial vessels	5,475	$24,228,830.11
United States Government vessels	563	.....
Vessels for repairs	21	.....
Colombian Government vessels	2	.....
Panaman Government vessels	11	.....
Launches (under 20 tons)	193	1,235.18
Totals for fiscal year	6,265	24,230,065.29

If the 597 noncommercial vessels that transited the Canal during the year had paid tolls at commercial rates, the revenue from tolls would have been increased approximately as follows:

United States Government vessels	$1,275,996.05
All others	20,666.89
Total	1,296,662.94

The 5,475 commercial vessels carried 27,748,215 long tons of cargo, and 597 noncommercial vessels carried 228,740 long tons, making a total cargo through the Canal for the year of 27,976,955 long tons, or an average of 2,331,413 tons per month.

The fiscal year ending 1927 established new records for the number of transits and for the amount of cargo carried, the previous records of 5,420 transits and 27,586,051 tons of cargo having been established in the calendar year 1926.

A comparison of the commercial traffic passing through the Canal during the fiscal year 1927 with that for the fiscal year 1926 shows the following: An increase of 278, or 5.4 per cent, in number of transits; an increase of $1,297,774.13, or 5.7 per cent, in tolls; and an increase of 1,710,767 tons, or 6.6 per cent in cargo.

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tolls, and tons of cargo carried by vessels transiting the Canal each month from the beginning of the fiscal year 1927, to the end of June, 1927, as compared with the same months in the previous year:

Month.	No. vessels.		Panama Canal net tonnage.		Tons of cargo.		Tolls.	
	1925–6	1926–7	1925–6.	1926–7.	1925–6.	1926–7.	1925–6.	1926–7.
July	418	456	1,951,295	2,154,821	1,960,654	2,185,527	$1,800,239.84	$1,980,719.67
August	372	464	1,779,627	2,230,905	1,912,217	2,321,697	1,657,893.90	2,055,041.91
September	388	446	1,831,039	2,186,804	1,891,988	2,239,547	1,692,723.11	2,019,626.42
October	410	445	1,955,485	2,124,519	2,009,171	2,374,711	1,826,314.64	1,989,213.93
November	424	428	2,028,034	2,032,488	2,023,398	2,272,449	1,870,087.68	1,889,001.11
December	462	458	2,257,409	2,135,002	2,358,170	2,310,270	2,111,896.53	1,996,036.72
January	479	443	2,300,187	2,121,631	2,346,643	2,241,765	2,103,368.29	1,984,760.71
February	424	449	1,991,127	2,201,328	2,139,207	2,230,107	1,835,226.47	1,994,860.82
March	506	496	2,398,694	2,413,999	2,607,046	2,533,525	2,206,212.20	2,217,913.20
April	425	464	2,048,247	2,224,500	2,237,567	2,429,807	1,917,457.11	2,065,206.92
May	470	471	2,243,103	2,248,892	2,416,701	2,379,713	2,056,965.55	2,066,070.73
June	419	455	1,990,344	2,152,926	2,134,686	2,229,097	1,852,670.66	1,970,377.97
Totals	5,197	5,475	24,774,591	26,227,815	26,037,448	27,748,215	22,931,055.98	24,228,830.11

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States Government, including merchant vessels chartered by the Government, do not pay tolls. Shipping Board vessels in commercial service pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Canal Traffic for June, 1927.

NUMBER OF TRANSITS.

During the month, 455 commercial vessels, 15 small launches, and 84 vessels of the United States Government passed through the Canal. In addition to these there were 2 transits of a Panaman Government vessel and one transit of ship for repairs, making a total of 557 transits.

The total number of craft of all kinds transiting the Canal during the month of June, as compared with the same months in 1926 and 1925, is shown in the following tabulations:

	June, 1927.	June, 1926.	June, 1925.
Commercial vessels	455	419	368
Noncommercial vessels (Army and Navy)	84	14	28
Launches (under 20 tons measurement)	15	11	11
Colombian Government vessels		1	
Panaman Government vessels	2	2	
Vessels for repairs	1	3	
Total vessels transiting Canal	557	450	407

In addition to the vessels listed above, Panama Canal equipment consisting of dredges, tugs, barges, launches, etc., was passed through the locks, as follows:

	North-bound.	South-bound.	Total.
Gatun	12	16	28
Pedro Miguel	42	35	77
Miraflores	39	34	73
Totals	93	85	178

COMMERCIAL TRAFFIC.

The following is a summary of the commercial traffic for June, 1927, as compared with the corresponding month in 1926 and 1925, and the monthly average for the fiscal year ending June 30, 1927:

	June, 1927.	June, 1926.	June, 1925.	Average per month for fiscal year 1927.
Number of vessels	455	419	368	456
United States net tonnage	1,673,821	1,554,076	1,384,203	1,713,800
Panama Canal net tonnage	2,152,926	1,990,344	1,753,327	2,185,651
Registered gross tonnage	2,745,346	2,527,486	2,234,054	2,796,318
Registered net tonnage	1,680,513	1,556,219	1,390,755	1,718,188
Tolls	$1,970,377.97	$1,852,670.66	$1,659,490.06	$2,019,069.17
Tons of cargo carried	2,229,097	2,134,686	1,920,323	2,312,351

The average daily number of transits, tonnage, tolls, and cargo, are shown in the following statement, in comparative form, commercial vessels only:

	Average per day.			Average per day for fiscal year.
	June, 1927.	June, 1926.	June, 1925.	
Number of transits	15.16	13.96	12.26	15.00
Panama Canal net tonnage	71,764	66,344	58,444	71,857
Tolls	$65,679.26	$61,755.68	$55,316.33	$66,380.36
Tons of cargo carried	74,303	71,156	64,011	76,022

AVERAGE TONNAGE, TOLLS, AND TONS OF CARGO PER VESSEL.

The average tonnage, tolls, and cargo per vessel transiting the Canal during the month of June, 1927, as compared with June, 1926, and 1925, are shown in the following tabulation:

	Average per vessel.		
	June, 1927.	June, 1926.	June, 1925.
United States equivalent net tonnage	3,678	3,708	3,920
Panama Canal net tonnage	4,731	4,750	4,967
Registered gross tonnage	6,033	6,032	6,371
Registered net tonnage	3,693	3,714	3,953
Tolls	$4,330.50	$4,421.65	$4,584.92
Tons of cargo (including vessels in ballast)	4,899	5,095	4,901
Tons of cargo (laden vessels only)	5,960	6,064	5,996

TOLLS.

At present, tolls are collected at rates of $1.20 per ton for laden vessels and $0.72 per ton for vessels in ballast, computed on the basis of the Panama Canal rules of measurement, with the provision that tolls shall not exceed $1.25 per ton nor be less than $0.75 per ton as determined in accordance with the United States rules for measurement of net registered tonnage. In order to ascertain the proper tolls charges, it is necessary, therefore, that the net tonnage of vessels transiting the Canal be determined both in accordance with the Panama Canal and the United States rules of measurement.

Taking the traffic through the Canal for the month of June, 1927, the following tabulation shows a comparison of tolls actually collected under the present method of assessing tolls, and the tolls that would have been collected on the basis of the Panama Canal rules of measurement at the proposed rates of $1 laden and $0.60 ballast, with the traffic for the month segregated by flag:

Nationality.	Tolls actually collected under present dual system.	Tolls that would have been collected under proposed rates of $1 laden and 60c ballast on basis of Panama Canal net tonnage.	Difference.	
			Increase.	Decrease.
British	$491,076.25	$498,056.60	$16,980.35	
Chilean	4,348.75	4,672.00	323.25	
Colombian	3,098.75	3,104.00	5.25	
Danish	11,572.96	12,102.80	529.84	
Danzig	10,147.68	8,456.40		$1,691.28
Dutch	43,546.25	45,933.00	2,386.75	
Ecuadorian	102.96	85.80		17.16
French	35,275.00	37,348.00	2,073.00	
German	52,993.75	57,196.00	4,202.25	
Italian	30,772.05	28,912.00		1,860.05
Japanese	68,535.40	67,124.40		1,411.00
Norwegian	80,510.60	85,314.00	4,803.40	
Panaman	4,097.88	5,754.60	1,656.72	
Peruvian	18,408.65	22,783.00	4,374.35	
Spanish	6,845.00	6,671.00		174.00
Swedish	27,838.20	29,718.00	1,879.80	
United States	1,076,774.09	1,076,058.00		716.09
Yugoslav	4,433.75	4,536.00	102.25	
Totals	1,970,377.97	1,993,825.60	29,317.21	5,869.58

The decrease on vessels of United States registry would have been made up with respect to channels of trade in which the vessels were engaged as follows:

United States intercoastal trade	[1]$3,440.75
United States foreign trade	1,296.83
United States–Canal Zone trade	2,860.01
Total	716.09

[1] Indicates increase under proposed rates.

RATIO OF CARGO TONNAGE TO NET TONNAGE.

The ratio of cargo tonnage to net tonnage, Panama Canal measurement, of vessels transiting the Panama Canal in June, 1927, is shown in the following tabulation, segregated by nationality of vessels and direction of transit. Laden vessels only are included:

Nationality.	Atlantic to Pacific.	Pacific to Atlantic.	Total.
British	0.81	1.14	0.98
Chilean	.35		.35
Colombian	1.14	.06	.65
Danish		1.69	1.69
Dutch	.65	1.15	1.05
French	.62	1.32	.98
German	1.15	1.41	1.34
Italian	.58	1.14	.73
Japanese	1.22	1.32	1.26
Norwegian	1.28	1.51	1.46
Panaman	.65	.43	.54
Peruvian	.49	.71	.61
Spanish	.09	.37	.21
Swedish	1.12	3.60	2.50
United States	1.00	1.69	1.42
Yugoslav	1.51		1.51
Averages, June, 1927	.91	1.63	1.12
Averages, June, 1926	.96	1.47	1.26
Averages, June, 1925	.95	1.45	1.24

CLASSIFICATION OF VESSELS.

A further classification of commercial vessels passing through the Canal during the month of June, 1927, is as follows:

Class.	Atlantic to Pacific			Pacific to Atlantic.		
	No. of ships.	Panama Canal net tonnage.	Tolls.	No. of ships.	Panama Canal net tonnage.	Tolls.
Tank ships:						
Laden	2	8,946	$8,906.50	54	299,293	$303,749.15
Ballast	53	287,707	207,336.72	...	.....	.....
General cargo ships:						
Laden	175	752,970	705,119.75	150	693,520	665,187.19
Ballast	16	108,273	78,283.17	3	1,771	1,307.99
Noncargo-carrying ships:						
Tugs	1	223	243.75	1	223	243.75
Totals	247	1,158,119	999,889.89	208	994,807	970,488.08
Method of propulsion:						
Steam	211	1,029,650	892,029.82	185	908,082	885,917.30
Motor	35	128,377	107,758.82	23	86,725	84,571.78
Motor (schooners)	1	92	101.25	.....	.....	.....
Totals	247	1,158,119	999,889.89	208	994,807	970,489.08

Of the 396 steam-driven vessels, 304 were oil burning and 92 coal burning.

NONCOMMERCIAL TRAFFIC.

The following statement shows the tonnage and the amount of cargo carried by vessels transiting the Panama Canal free of tolls during the month of June, 1927. If tolls had been assessed against these vessels at commercial rates, the amount collected would have been approximately as indicated:

Class and nationality.	Atlantic to Pacific.			Pacific to Atlantic.		
	No. of transits.	Tonnage.	Tolls.	No. of transits.	Tonnage.	Tolls.
U. S. Naval vessels:						
Aircraft carriers	1	[1] 12,700	$6,350.00	...	.....	.....
Auxiliaries	2	[3] 7,612	9,515.00		.....	...
Battleships	10	[1] 311,900	155,950.00	...	.....	.....
Cruisers	5	[1] 30,300	15,150.00	3	[1] 18,200	$9,100.00
Destroyers	29	[1] 35,235	17,617.50	2	[1] 2,430	1,215.00
Destroyer tenders	2	[1] 21,075	10,537.50	...	...	...
Hospital ships	1	[1] 9,800	4,900.00	.	...	...
Launches	3	[2] 15	10.80	.	...	...
Minesweepers	5	[1] 4,750	2,375.00	1	[1] 950	475.00
Submarines	.....	.....	.....	5	[1] 2,600	1,300.00
Supply ships	1	[3] 3,434	4,292.50	1	[3] 3,415	4,268.75
Tankers	4	[2] 21,533	18,587.28	1	[3] 4,860	6,075.00
Tugs	1	[1] 1,000	500.00	2	[1] 2,000	1,000.00
U. S. Army vessels:						
Launches	2	[2] 10	7.20	.	...	...
Transports	1	[3] 4,380	5,256.00	1	[2] 5,212	6,254.40
U. S. Coast Guard vessels:						
Cutters	1	[1] 2,080	1,040.00	..	..	.....
Panaman Government vessels:						
Transports	2	[2] 202	145.44	.	.	.....
Vessels for repairs:						
General cargo	...	...	.....	1	[2] 10,313	7,425.36
Totals	70	.....	252,234.22	17	..	37,113.51

[1] Indicates displacement tonnage. [2] Indicates Panama Canal net tonnage. [3] Indicates United States net tonnage.

The foregoing noncommercial vessels transiting the Canal during the month of June, 1927, carried cargo as follows:

	Tons.
Atlantic to Pacific	7,712
Pacific to Atlantic	3,497
Total	11,209

The following statement shows the number of launches transiting the Canal during the month of June, 1927. These launches, although paying tolls, are excepted from statements concerning commercial traffic:

	Number.	Tonnage.	Tolls.
Atlantic to Pacific	11	104	$81.00
Pacific to Atlantic	4	52	55.00
Totals	15	156	136.00

STATEMENT OF TERMINAL OPERATIONS.

Details of the business transacted at the Atlantic and Pacific terminals of the Panama Canal during the month of June, 1927, are shown in the following tabulation:

	Cristobal.	Balboa.	Total.
Local cargo arriving ... tons	67,537	89,785	157,322
Local cargo shipped ... tons	8,213	324	8,537
Transit cargo arriving ... tons	2,141,715	2,166,444	4,308,159
Transit cargo clearing ... tons	2,187,649	2,144,762	4,332,411
Cargo received for transshipment ... tons	26,227	353	26,580
Cargo transshipped ... tons	29,671	4,488	34,159
"Canal Zone for orders" cargo:			
Number of receipts issued	62	16	78
Number of withdrawals	227	169	396
Tons received	2,137	171	2,308
Tons withdrawn	1,147	236	1,383
Packages received	4,783	2,611	7,394
Packages withdrawn	5,585	3,111	8,696
Vessels supplied with bunker coal:			
Commercial, other than Panama Railroad Company	52	2	54
Coal supplied to above vessels:			
Commercial, other than Panama Railroad Company	19,136	69	19,205
Coal issued, miscellaneous:			
Panama Canal departments ... tons	95	61	156
U. S. Army, excepting vessels ... tons	419	.....	419
Individuals and companies ... tons	239	.....	239
Panama Railroad Company ... tons	15	.....	15
Transferred to Navy ... tons	2,195	.....	2,195
Total issues and sales ... tons	22,099	130	22,229
Coal on hand, July 1, 1927 ... tons	82,487	.....	82,487
Coal on hand, June 1, 1927 ... tons	104,586	.....	104,586
Coal received during month ... tons	.....	.....	.....
Coal received from Navy ... tons	.....	130	130
Fuel oil issued from Panama Canal tanks:			
Panama Canal departments ... bbls	7,738.78	20,525.14	28,263.92
Panama Railroad Company ... bbls	.....	.....	.....
Army and Navy ... bbls	600.50	117.83	718.33
Individuals and companies ... bbls	.....	318.18	318.18
Total sales and issues ... bbls	8,339.28	20,961.15	29,300.43
Fuel oil on hand, July 1, 1927 ... bbls	.....	85,362.37	85,362.37
Diesel oil sold during June, 1927 ... bbls	74.26	.....	74.26
Diesel oil on hand, July 1, 1927 ... bbls	28,118.47	828.27	28,946.74
Miscellaneous transfers ... bbls	2,811.30	7,811.88	10,623.18
Gasoline and kerosene pumped for The Panama Canal ... bbls	7,390.25	13,442.67	20,832.92
Gasoline pumped for individuals and companies ... bbls	.....	19,883.32	19,883.32
Oil pumped for individuals and companies ... bbls	655,966.81	1,012,848.81	1,668,815.62
Total fuel oil, gasoline, and kerosene handled ... bbls	674,581.90	1,074,947.83	1,749,529.73
Admeasurement of vessels:			
U. S. equivalent certificates issued	21	.....	21
Measured for Panama Canal net tonnage	6	.....	6
Remeasured for Panama Canal net tonnage	14	1	15
Panama Canal net tonnage corrected	4	11	15
U. S. equivalent tonnage corrected	13	14	27
Services of harbor equipment:			
Tugs, total operating hours	450½	471	921½
Launches, total operating hours	1,405½	1,884¼	3,289¾
Revenue from tug service, pilotage, etc.:			
Tug revenue	$14,063.75	$15,135.00	$39,198.75
Pilotage	17,757.00	10,140.00	27,897.00
Seamen	11,472.00	9,760.00	21,232.00
Launch service	2,109.00	4,168.50	6,277.50
Wharfage	15,090.17	7,961.98	23,052.15
Ships measured	220.00	.....	220.00
Miscellaneous and cash collections	766.80	896.50	1,663.30

	Cristobal.	Balboa.	Total.
Ships repaired at Panama Canal shops:			
Commercial	58	22	80
U. S. Army and Navy	7	5	12
Panama Canal equipment	4	13	17
Vessels dry docked:			
Commercial	4	3	7
U. S. Army and Navy	2	2	4
Panama Canal equipment		7	7
Clearances issued	269	258	527
Bills of health issued	274	306	580

ALL VESSELS ENTERING AND CLEARING PORT.

	Port of Cristobal.			Port of Balboa.		
	No. of ships.	Registered gross tonnage.	Registered net tonnage.	No. of ships.	Registered gross tonnage.	Registered net tonnage.
Ships entering.						
All vessels, including those transiting Canal	579	3,479,565	2,296,808	540	3,341,477	2,223,507
Vessels entering port but not transiting Canal	80	303,695	186,144	11	72,794	47,063
Vessels transiting Canal and handling passengers and cargo at terminal ports	106	605,433	378,997	78	479,409	287,562
Ships clearing.						
All vessels, including those transiting Canal	588	3,525,686	2,325,396	538	3,333,740	2,218,043
Vessels clearing port but not transiting Canal	77	301,413	182,804	9	62,729	39,924
Vessels transiting Canal and handling passengers and cargo at terminal ports	112	619,223	387,946	78	482,383	289,430

MOVEMENT OF PASSENGERS.

	At Cristobal.			At Balboa.		
	First class.	Others.	Total.	First class.	Others.	Total.
Disembarking:						
From Atlantic ports	1,398	1,310	2,708	36	77	113
From Pacific ports	204	82	286	254	170	424
Total disembarking	1,602	1,392	2,994	290	247	537
Embarking:						
For Atlantic ports	1,757	1,434	3,191	72	83	155
For Pacific ports	183	112	295	196	165	361
Total embarking	1,940	1,546	3,486	268	248	516
Remaining on board:						
From Atlantic to Pacific ports	972	1,323	2,295	921	1,315	2,236
From Pacific to Atlantic ports	1,215	1,503	2,718	1,512	1,670	3,182
From Atlantic to Atlantic ports	524	263	787			
From Pacific to Pacific ports				14	447	461
Total remaining on board	2,711	3,089	5,800	2,447	3,432	5,879
Total arriving	4,313	4,481	8,794	2,737	3,679	6,416
Total departing	4,651	4,635	9,286	2,715	3,680	6,395

PASSENGER-CARRYING VESSELS THROUGH CANAL.

	Total commercial vessels.	Passenger-carrying vessels.	Per cent of total transits.
Atlantic to Pacific	247	40	16.2
Pacific to Atlantic	208	30	14.4
Totals	455	70	15.4

In addition to the aforesaid, 86 passenger-carrying vessels called at the port of Cristobal without transiting the Canal, making a total of 156 passenger-carrying vessels calling at Canal ports during the month.

COMMISSARY SALES TO VESSELS.

Following is a statement of commissary sales to vessels during the month of June, 1927:

	Ice.	Groceries.	Cold storage.	Laundry.	Miscellaneous.	Totals.
Sales at Cristobal to:						
Commercial vessels	$1,693.90	$9,585.03	$20,567.93	$262.84	$3,712.86	$35,822.56
Government vessels	721.67	1,660.71	12,244.53	81.52	5,993.14	20,701.57
Panama Railroad vessels	3.90	51.05	1,152.35	686.74	405.31	2,299.35
Total sales, June, 1927	2,419.47	11,296.79	33,964.81	1,031.10	10,111.31	58,823.48
Total sales, June, 1926	2,308.81	11,646.74	24,263.23	1,138.80	5,090.47	44,448.05
Total sales, June, 1925	1,922.25	10,377.05	35,222.46	986.86	3,004.25	51,512.87
Sales at Balboa to:						
Commercial vessels	835.92	7,617.00	9,768.06	624.71	2,405.88	21,251.57
Government vessels	1,412.67	4,178.32	15,845.07	249.73	2,471.65	24,157.44
Panama Railroad vessels	.....	.....	.....	23.92	.....	23.92
Total sales, June, 1927	2,248.59	11,795.32	25,613.13	898.36	4,877.53	45,432.93
Total sales, June, 1926	1,082.88	8,908.81	21,369.07	258.80	3,274.81	34,894.37
Total sales, June, 1925	1,123.53	6,982.08	26,844.89	418.76	1,381.78	36,751.04

The aggregate sales to Government vessels during the month was $44,859.01, to Panama Railroad vessels, $2,323.27, and to other commercial vessels $57,074.13, making the total sales to all vessels $104,256.41.

LOCK OPERATIONS.

The following tabulation shows the number of lockages, and the number of vessels passing through the locks during the month of June, 1927, as compared with the corresponding month in 1926, and 1925, together with the consumption of water for lockages, maintenance, etc., in June, 1927, as compared with the preceding month and the corresponding month in 1926:

Locks.	Number of lockages.						Comparative grand totals.		
	Commercial.			Noncommercial.					
	North.	South.	Total.	North.	South.	Total.	June, 1927.	June, 1926.	June, 1925.
Gatun	205	235	440	10	33	43	483	407	374
Pedro Miguel	205	242	447	16	42	58	505	423	394
Miraflores	205	238	443	15	39	54	497	417	393
	Number of vessels put through locks.								
Gatun	220	257	477	36	84	120	597	473	432
Pedro Miguel	213	255	468	63	95	158	626	478	436
Miraflores	213	256	469	61	95	156	625	475	439

CLASSIFICATION OF NONCOMMERCIAL VESSELS.

	Gatun.	Pedro Miguel.	Miraflores.
Army and Navy vessels	89	81	83
Panama Canal equipment	28	77	73
Panaman Government vessels	3	.....	.....

The total consumption of water for lockages, maintenance, and loss in leakage was as follows:

	Gatun.	Pedro Miguel.	Miraflores.
	Cubic feet.	*Cubic feet.*	*Cubic feet.*
Lockages	1,960,060,000	1,613,560,000	1,509,550,000
Maintenance	.....	.....	.....
Leakage	20,000,000	20,000,000	20,000,000
Totals, June, 1927	1,980,060,000	1,633,560,000	1,529,550,000
Totals, May, 1927	1,824,420,000	1,558,920,000	1,498,140,000
Totals, June, 1926	1,403,820,000	1,121,900,000	1,249,800,000

METEOROLOGY AND HYDROGRAPHY.

In the following tabulation the meteorological and hydrographic conditions over the Canal Zone and vicinity during the month of June are shown in comparative forms:

Rainfall for month.	June.		June—Years of record.		
	1927.	1926.	Maximum.	Minimum.	Mean.
	Inches.	*Inches.*	*Inches.*	*Inches.*	*Inches.*
Pacific section	11.96	13.38	14.18	4.18	8.52
Central section	16.71	15.24	16.71	6.90	11.87
Atlantic section	12.84	23.51	23.51	8.99	14.12
Maximum recorded on any one day	4.94	6.13	[1] 6.13	.....	.....
Gatun Lake watershed	15.21	15.27	15.27	7.89	11.87
Chagres River watershed above Alhajuela	17.71	16.89	18.02	7.47	13.54
Maximum recorded for month at any one point	22.51	31.23	31.23	.....	.....
Minimum recorded for month at any one point	9.54	6.12	.....	2.37	.....
Hydrography.	*C. f. s.*	*C. f. s.*	*C. f. s.*	*C. f. s.*	*C. f. s.*
Discharge of Chagres River at Alhajuela	3,816	1,980	4,870	1,363	2,546
Maximum momentary discharge for the month	14,337	19,490	[2] 63,900	.....	.....
Gatun Lake watershed, total yield	10,391	6,057	10,391	4,477	6,455
Gatun Lake watershed, net yield	9,863	5,559	9,863	4,081	5,952
Draft on Gatun Lake for lockages and power	2,786	2,296	2,786	[3] 1,138	[3] 2,069

[1] 12.25 represents the maximum 24-hour rainfall recorded on the Canal Zone and vicinity since American occupation recorded at Gatun on October 23 and 24, 1923. [2] June 14, 1909. [3] Does not include June, 1914. NOTE.—Extreme outlying stations in the Republic of Panama not included in this report.

The rainfall for the month was in general above the normal. The estimated rainfall over the Gatun Lake watershed was 15.21 inches, compared with a 17-year mean of 11.87 inches. Over the Chagres River watershed above Alhajuela it was 17.71 inches, compared with a 26-year mean of 13.54 inches.

The discharge of the Chagres River at Alhajuela was the highest June discharge since 1909 and the second highest June discharge on record. It amounted to 3,816 cubic feet per second, approximately 50 per cent above the 26-year June average of 2,546 cubic feet per second.

The total yield of the Gatun Lake watershed was the highest for any June on record. It amounted to 10,391 cubic feet per second, approximately 61 per cent above the 17-year average of 6,455 cubic feet per second.

The draft on Gatun Lake for lockages and power was the highest on record. The amount used was 2,786 cubic feet per second as compared with 2,704 cubic feet per second for the last month and 2,296 cubic feet per second for June, 1926. A total of 18.2 billion cubic feet, an equivalent of 4 feet on Gatun Lake, was wasted over the spillway. This is the highest June spilling on record. One thousand and twenty-eight million cubic feet was wasted over the Miraflores spillway, the highest record for June at Miraflores.

SEISMOLOGY.

One seismic disturbance was recorded during the month, on the 3d.

ELECTRICAL DIVISION.

In addition to the usual operating and maintenance work performed by this division, 68 items of electrical additions and repairs were completed on 33 vessels during the month. There were 342 work orders issued during June, as compared with 317 for the month of May.

MECHANICAL DIVISION.

During the month, work was performed on 69 vessels at Cristobal and 40 at Balboa. Overhaul of the U. S. Army Mine Planter *Wm. S. Graham* and extensive repairs to the hull and machinery of the dredge *Cascadas* of the Dreding Division were completed during the month. A general overhauling throughout of the U. S. Army motor ship *Morgan Lewis;* overhaul of the U. S. Army S. S. *Nones*, and extensive repairs to hull and suction pipe of dredge *No. 86* of the Dredging Division were started during the month.

MUNICIPAL ENGINEERING DIVISION.

The usual maintenance work on roads, streets, and walks, and to the sewer and water systems, was performed during the month.

The amount of water pumped during the month totaled 662,977,250 gallons.

DREDGING DIVISION.

East Culebra slide moved June 1 and 4, depositing a total of 110,000 cubic yards of material into the basin. No material entered the channel and no further movement has occurred since June 4. West Culebra slide continued to show slow movement and approximately 35,000 cubic yards of material entered the Canal. The dredge *Gamboa* has removed 33,700 cubic yards of this material. Cucaracha slide became active June 19, approximately 115,000 cubic yards of material sliding into the basin and 10,000 yards into the Canal. The dredge *Paraiso* removed a total of 62,900 cubic yards from this slide.

The total excavation during the month was 458,750 cubic yards, as follows:

Cubic yards.	Classified as—		Character of work.	Station.	Equipment.
	Earth.	Rock.			
154,500	154,500	.....	Maintenance	Atlantic terminals	*No. 83.*
23,750	13,000	10,750	Maintenance	Gaillard Cut	*Gamboa.*
35,000	15,000	20,000	Maintenance	Gaillard Cut (West Culebra slide)	*Gamboa.*
2,000	1,000	1,000	Maintenance	Gaillard Cut (Signal Station slide)	*Gamboa.*
62,900	8,000	54,990	Maintenance	Gaillard Cut (Cucaracha slide)	*Paraiso.*
16,950	.....	16,950	Maintenance	Pacific entrance (Project No. 1)	*Paraiso.*
32,000	19,600	12,400	Maintenance	Pacific entrance	*Paraiso.*
36,700	36,700	.....	Maintenance	Pacific entrance (Project No. 1)	*No. 86.*
94,950	94,950	.....	Maintenance	Pacific entrance	*No. 86.*

SCHOOLS.

The school year terminated June 30, 1927. There were 71 graduates from the high schools; 54 from Balboa and 17 from Cristobal. Of the 87 American teachers, 10 resigned at the close of the school year, and the remaining teachers were granted 94 days' leave of absence without pay.

The following brief summary shows the enrollment, average attendance, etc., in the white and colored schools of the Canal Zone for the year ending June, 1927, compared with June, 1926:

	White.		Colored.		Total.	
	1927.	1926.	1927.	1926.	1927.	1926.
Net enrollment	2,577	2,426	2,332	2,314	4,909	4,740
Average daily attendance	2,429.9	1,942.4	2,016.9	1,906.8	4,446.8	3,849.2
Number of teachers	86	87	47	47	133	134

OCCUPANTS OF QUARTERS.

The number of persons, including men, women, and children, occupying Panama Canal and Panama Railroad quarters on June 30, 1927, totaled 20,781, of whom 7,023 were Americans, 199 Europeans, and 13,559 West Indians. The total number of persons in quarters on June 30, 1926, was 20,685.

WORKING FORCE.

The following tabulation shows the number of gold and silver employees as of June 15, 1927, together with a comparison of the working force for the preceding month, and for June, 1926:

	As of June 15, 1927.			Total employees.	
	Gold.	Silver.	Total.	May, 1927.	June, 1926.
Operation and maintenance:					
Office	37	40	77	78	72
Electrical	142	180	322	330	301
Municipal Engineering	78	803	881	880	659
Lock operation	211	606	817	826	834
Dredging	182	898	1,080	1,091	1,053
Mechanical	442	792	1,236	1,251	1,146
Marine	196	596	792	831	720
Fortifications	14	35	49	34	132
Totals	1,302	3,952	5,254	5,321	4,917
Supply Department:					
Quartermaster	187	1,716	1,903	1,919	1,700
Subsistence	7	97	104	104	108
Commissary	203	1,056	1,259	1,191	1,175

	As of June 15, 1927.			Total employees.	
	Gold.	Silver.	Total.	May, 1927.	June, 1926.
Supply Department—Continued:					
Cattle industry	7	127	134	136	333
Hotel Washington	8	95	103	104	96
Transportation	46	208	254	243	249
Totals	458	3,299	3,757	3,697	3,661
Accounting Department	200	8	208	207	206
Health Department	240	784	1,024	1,041	1,028
Executive Department	490	279	769	771	787
Totals	930	1,071	2,001	2,019	2,021
Panama Railroad:					
Superintendent	48	234	282	298	264
Transportation	64	113	177	182	177
Receiving and Forwarding Agency	86	1,588	1,674	1,361	1,504
Coaling Stations	48	210	258	318	275
Totals	246	2,145	2,391	2,159	2,220
Grand totals, June, 1927	2,936	10,467	13,403	.....	.....
Grand totals, May, 1927	2,928	10,268	.....	13,196	.....
Grand totals, June, 1926	2,879	9,940	.....	.....	12,819

VITAL STATISTICS.

A total of 159 deaths occurred during the month of June, 1927, among the population of the Canal Zone, and the cities of Panama and Colon, which is equivalent to an annual death rate of 14.92 per 1,000 population. The leading causes of death were: Tuberculosis (various organs), 24; organic diseases of the heart, 16; nephritis (acute and chronic), 15; diarrhea and enteritis, 15; pneumonia (broncho and lobar), 12; and cancer (various organs), 7. There were 6 deaths from apoplexy, 1 from dysentery, and 1 from leprosy. There were 16 deaths among nonresidents of the Isthmus. These are not included in the above statistics.

There were 300 live births reported during the month, and 18 stillbirths. Including stillbirths, this is equivalent to an annual birth rate of 29.83 per 1,000 population. Deaths among children under 1 years of age numbered 29, giving an infant mortality rate of 96.67 per 1,000 live births.

The total number of malaria cases reported from the Zone and the cities of Panama and Colon during June was 98, of whom 14 were employees (3 white and 11 colored), 8 were members of employees' families (5 white and 3 colored), 17 were other civilian nonemployees, and 59 were Army and Navy personnel. Eleven of the 22 employees and members of employees' families were probably infected outside our sanitated areas, as they gave a history of working, living, or having been in such areas at night previous to their becoming sick.

The total cases, 98, is the lowest for the month of June for the past 10 years, the next lowest being for June, 1918, when 135 cases were reported.

There were no deaths from malaria.

RECEIPTS AND SALES OF MATERIALS AND SUPPLIES.

The value of material ordered on United States requisitions and received on the Isthmus during the month totaled $600,605.39, of which $576,021.80 was for the Department of Operation and Maintenance, and $24,583.59 for other Panama Canal departments.

FINANCIAL STATEMENT.

The following statement shows in a condensed form the aggregate revenue and expenditures for the month of May, 1927, as compared with May, 1926, together with figures for the first 11 months of the current fiscal year as compared with the same period in the fiscal year 1926.

It is impossible to submit figures for the month of June at the time of writing this report, since all the charges, etc., involved in the accounting have not been completed.

	Month.		Fiscal year to end of May.	
	May, 1927.	May, 1926.	This year.	Last. year.
Tolls	$2,066,209.26	$2,055,721.35	$22,257,642.60	$21,074,745.02
Other receipts	285,312.09	260,335.27	3,285,000.90	2,969,786.28
Total transit revenues	2,351,521.35	2,316,056.62	25,542,643.50	24,044,531.30
Total transit expenses	954,451.66	965,529.41	11,085,840.01	9,955,803.61
Net transit expenses	1,397,069.69	1,350,527.21	14,456,803.49	14,088,727.69
Three per cent capital charge	609,226.68	612,183.46	6,699,659.12	6,737,588.02
Transit surplus	787,843.01	738,343.75	7,757,144.37	7,351,139.67
Business revenues	1,292,241.99	1,709,084.43	14,003,855.04	14,347,834.56
Business expenses	1,232,798.98	1,655,205.46	13,019,847.74	13,555,273.42
Net business revenues	59,443.01	53,878.97	984,007.30	792,561.14
Three per cent capital charge	58,093.22	55,538.21	670,834.35	633,318.60
Business surplus	1,349.79	1,659.24	313,172.95	159,242.54
Combined revenues	3,372,230.71	3,790,170.24	36,626,468.47	35,624,913.62
Combined expenses	1,915,718.01	2,385,764.06	21,185,657.68	20,743,624.79
Combined net revenues	1,456,512.70	1,404,406.18	15,440,810.79	14,881,288.83
Three per cent capital charge	667,319.90	667,721.67	7,370,493.47	7,370,906.62
Combined surplus	789,192.80	736,684.51	8,070,317.32	7,510,382.21

Respectfully,

M. L. WALKER,

Governor.

Dyed Gasoline.

As an experimental proposition to restrict the misuse of gasoline, The Panama Canal will color all of its gasoline green in the near future with a special dye solution purchased for this purpose from one of the leading oil companies. One gallon of this dye will color 1,500 gallons of gasoline a suitable shade of green so that it can be easily identified. The coloring solution will not change the quality of the gasoline.

Notice to Mariners—Sunken Vessel Off Colon Harbor.

THE PANAMA CANAL, EXECUTIVE OFFICE,

BALBOA HEIGHTS, C. Z., July 23, 1927.

The position of the yawl *M. F. Benefit*, sunk near the entrance of Colon Harbor, has been shifted by current to North 33° East true, 1¾ miles from East Breakwater Light. Ship lies in 63 feet of water. Red and black obstruction buoy placed in position on site in forenoon of July 23d.

Previous Panama Canal notices Nos. 279 and 280 of July 22, 1927, should be disregarded.

M. L. WALKER,

Governor.

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, July 23, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Leme [2]	15	19.00	17	6.00	17	13.49	17	15 10	Italian	Nav. Libera-Triestina	459.0	57 0	20.6	Trieste, Italy	Vancouver, B. C.	General	2,630	8,805	6,497
Losada [2]	16	14.15	17	16.10	17	14 12	17	22.15	British	Pacific Steam Nav. Co	405 0	54 0	17.0	Glasgow, England	Valparaiso, Chile	General	2,966	7,221	4,844
Pacific Pine	16	18.35	17	7.39	17	15.00	17	16.30	American	Ocean Transport Co.	410.5	54 3	16.6	Philadelphia, Pa.	Seattle, Wash.	General	1,098	6,583	4,929
Javanese Prince [2]	16	19.10	17	7.35	17	15 35	17	16 45	British	Prince Line, Ltd	441.0	60.5	20.6	New York, N. Y.	Manila, P. I.	General	4,799	9.240	6,145
Canadian Prospector	16	19.50	17	8 10	17	16.02	17	17.15	British	Can. Gov. Mer. Marine	400 0	52.0	21.0	Montreal, Canada	Auckland, N. Z.	General	2,200	5,893	4,068
H. C. Folger [1]	16	21 45	17	8.45	17	16 30	17	21.00	American	Atlantic Refining Co	435 0	55 0	19.0	Newport News, Va.	Los Angeles, Calif.	Ballast		7,461	5,159
Dakotan	16	23 30	17	9.40	17	16 47	17	19 20	American	Amer.-Hawaiian Line	497.7	53.7	21 5	Boston, Mass.	Seattle, Wash	General	4.684	7,156	5.094
Lubrafol [2]	16	23 50	17	10.05	17	17.26	17	18 35	Belgian	Soc. Anom D'rm. Ind	446.0	57 0	23 0	Amsterdam, Holl	San Francisco, Cal.	Creosote	8,187	7,615	4,976
Sagadahoc	17	4.45	17	10.40	17	18 20	17	19 50	American	Argonaut S. S. Line.	420 5	54.2	23.0	Baltimore, Md	Tacoma, Wash	Steel, general.	7,616	7,340	5,342
Walter Jennings [1]	17	6 42	17	11 20	17	19 20	17	20 55	American	Standard Oil Co.	499 2	68.1	21.0	New York, N. Y.	Lobitos, Peru	Ballast		11,037	7,995
Knoxville City	17	8 30	17	11.48	17	20 05	18	8 40	American	Isthmian S. S. Lines	424.0	56 2	20 0	New York, N. Y.	Adelaide, Australia	General	4,330	7,611	5,459
Montana	17	11 00	17	12 30	17	21 00	18	5 00	American	Inter. Mer. Marine Co	419 3	55 3	18 0	Baltimore, Md	Seattle, Wash	General	1.719	8.696	6,315
Santa Cecelia	17	13.14	17	14 25	17	21.45	18	2 00	American	Grace Line	498.0	55 0	17 3	New York, N. Y.	Pisco, Peru	General	1,610	6,639	4,448
Navy Cutter			17		17	9 38			American	U. S. Navy				Cristobal, C. Z.	Gatun, C. Z.				
Jane West [3]			17		17	10.56			American	United Fruit Co.				Cristobal, C. Z.	Gatun, C. Z.	(7)		5	5
No. 4290 [4]			17		17	10.56			American	United Fruit Co.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		15	15
No. 4291 [4]			17		17	10 56			American	United Fruit Co.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		15	15
No. 4292 [4]			17		17	10 56			American	United Fruit Co.				Cristobal, C. Z.	Gatun, C. Z.	Ballast		15	15
San Rosendo [1]	17	15.15	18	6 05	18	13 37	18	14.45	British	Anglo-Mexican Pet. Co.	407.0	52.0	21.9	Hull, England.	Los Angeles, Calif	Ballast		6,237	4,353
Robin Goodfellow	17	18.15	18	7.15	18	15 08	18	16 55	American	Isthmian S. S. Lines.	424 8	55 2	26.0	New York, N. Y	Vancouver, B. C.	Steel and general	7,185	7,473	5,536
No. 335 [5]	17	18.45	18	8 46	18	16.05			American	U. S. Navy	310.0	31 0	11.6	Bluefields, Nicaragua.	Balboa, C. Z				
Cuba Maru [2]	18	6 15	18	9.30	18	17 04	18	18 00	Japanese.	Kerr S. S. Co	445 0	53 0	17.0	New York, N. Y.	Yokohama, Japan	General	1,451	6,994	5,277
Superteo.	18	12 35	18	12 55	18	21 00	19	1 00	American	Transmarine Lines.	324.0	46.0	18 0	New York, N. Y	San Francisco, Cal.	Pipe, general.	2,000	3.984	2,612
Paul Shoup [1]	18	13.05	18	13.30	18	21.43	18	23 10	American	Associated Oil Co.	427 0	53.2	22 0	Warner, N. J.	San Francisco, Cal.	Ballast		7,333	5,182
Romulus [1]	18	21 45	19	6 40	19	14 39	21	13.20	American	Anglo-Saxon Pet. Co	391.8	51 3	24 3	Curacao, D. W. I.	Los Angeles, Calif.	Fuel oil [8]	6,028	5,601	3,913
Cricamola [6]			19	6 40	19	14 40	19	15.05	Panaman	United Fruit Co	110 0	14.11		Cristobal, C. Z	Balboa, C. Z	Ballast		92	57
Sorvard [2]	18	22.25	19	7.35	19	15 12	19	21.45	Norwegian.	Lauritz Kloster.	368.0	51.5	23.0	Galveston, Texas	Melbourne, Aust'ia	Sulphur	6,300	5,404	3,970
West Keats	18	23.50	19	8.20	19	16.27	19	17.50	American	Calif. & East'n S.S. Co.	413 5	54 3	18.0	Philadelphia, Pa.	Seattle, Wash	General	2,559	6,572	4,900
F. H. Hillman [1]	19	10.23	19	10.40	19	17.45	19	22.35	American	Standard Oil Co.	590.0	68.2	20.0	London, England	Los Angeles, Calif	Ballast		11,225	7,913
Ruahine	19	13.43	19	13.55	19	20.51	20	13.00	British	N. Z. Shipping Co.	480.6	60 3	27.9	London, England	Auckland, N. Z.	General	5,610	11,443	8,417
Hadnot [1]	19	15.45	20	6.15	20	13 00	20	14.40	American	Tidewater Oil Co.	416.9	56 2	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast		6,706	4,639
Bethore.	19	22.35	20	6.35	20	14.17	20	22.25	American	Ore S. S. Corp.	550.3	72 2	21.6	New York, N. Y.	Cruz Grande, Chile	Ballast		15,476	4,354
Lewis Luckenbach	20	2.50	20	7.30	20	15.04	20	18.44	American	Luckenbach Line	496.0	68.2	23.0	Boston, Mass.	Seattle, Wash	General	5,477	11,487	8,762

[1] Tanker. [2] Motorship. [3] Launch. [4] Barge. [5] Destroyer. [6] Motor schooner. [7] Towing barges *No. 4290*, *No. 4291*, and *No. 4292*. [8] Cargo discharged at Balboa.

Canadolite [1] [2]	20	3.05	20	8.25	20	15.58	20	22.55	British	Imperial Oil Co., Ltd.	530.0	68.0	23.0	Halifax, N. S.	Talara, Peru	Ballast		11,556	7,658
Olga [9]	12		20	8.50	20	16.50			Swedish	S. Linne	33.0	12.0	7.0	Cristobal, C. Z.	Balboa, C. Z.	Ballast		9	9
Exmouth II [6]	12	7.45	20	10.15	20	18.55	20	20.35	British	Scottish Shipping Co.	146.3	27.0	16.0	Antwerp, Belgium	Shanghai, China	Wines, spirits	190	360	213
Stockton [1]	19	16.25	20	11.35	20	18.42	20	20.25	American	Struthers & Barry S. B.	425.8	57.0	18.6	Cristobal, C. Z.	Los Angeles, Calif.	Ballast			5,231
Atrato [6]	12	20.25	20	12.12	20	20.58	21	15.15	Colombian	Colombian Transp. Co.	94.0	24.0	9.0	Cristobal, C. Z.	Buenaventura, Col.	General	145	160	92
King Edward	20	12.40	20	13.05	20	19.50	20	21.28	British	King Line, Ltd	400.0	52.3	17.0	Norfolk, Va.	San Francisco, Cal.	Ballast		5,684	3,999
Antonio Tripcovitch	20	11.10	20	13.35	20	21.15	21	10.43	Italian	J. J. Moore	410.0	54.0	14.0	Falmouth, England	Los Angeles, Calif.	Ballast		6,636	5,048
Bennekom	20	6.20	21	6.12	21	13.46	21	15.15	Dutch	Royal Neth. S. S. Co.	449.7	58.2	20.11	Hamburg, Germany	Corral, Chile	General	4,597	7,849	5,806
Carriso [2]	20	15.10	21	6.15	21	14.46	21	20.40	American	Carriso Incorporated	340.5	48.0	22.0	Sauda, Norway	San Francisco, Cal.	General	5,153	4,325	2,835
Tulsa [10]	20	18.10	21	6.15					American	U. S. Navy	241.0	41.0	12.0	Rio Grande, Nic'ga	Gatun, C. Z.				
Port Caroline	20	16.30	21	7.10	21	15.33	21	16.45	British	Com'lth & Dom. Line	480.0	62.0	25.6	London, England	Lyttleton, N. Z.	General	4,513	10,740	7,829
Marthara	20	18.45	21	7.40	21	15.49	21	16.45	British	Wessel, Duval & Co.	403.0	52.0	16.10	Newport News, Va.	Callao, Peru	Coke and coal	2,523	5,629	4,133
El Lobo [1]	20	20.55	21	8.35	21	16.41	21	18.00	British	C. T. Bowring & Co.	385.2	51.0	20.0	New York, N. Y.	La Libertad, Eco'r.	Ballast		4,851	3,326
Tyne Maru	21	3.08	21	9.40	21	17.28	21	18.30	Japanese	Kawasaki Dockyard Co.	385.0	51.0	27.0	Baltimore, Md.	Kobe, Japan	(12)	7,397	6,251	4,700
Ethan Allen	20	23.00	21	11.00	21	18.58	23	4.15	American	American-Pioneer Line	439.6	60.2	25.6	New Orleans, La.	Shanghai, China	(13)	9,037	8,978	6,525
Astral [1]	21	4.10	21	11.05	21	17.48	21	21.20	American	Standard Oil Co.	439.5	58.0	19.0	Boston, Mass.	Los Angeles, Calif.	Ballast		8,728	6,025
Hawaii Maru	21	8.43	21	12.25	21	19.49	22	00.37	Japanese	Osaka Shosen Kaisha	475.0	61.0	20.0	Buenos Aires, Arg.	Kobe, Japan	General	2,469	10,173	7,354
Dos Hermanos [6]	20	19.00	21		21	18.54	21	20.00	Panaman	Isth. Land & Fruit Co.	35.0	12.0		Cristobal, C. Z.	Balboa, C. Z.	Ballast		17	13
Ebro	21	18.40	22	6.10	22	13.16	22	14.30	British	Pacific Steam Nav. Co.	450.0	57.0	26.0	New York, N. Y.	Talcahuano, Chile	General	4,070	9,291	6,301
Texas	18	15.30	22	6.30	22	14.03	22	15.10	French	French Line	409.8	52.0	18.2	Havre, France	Talcahuano, Chile	General	914	6,824	4,885
Rabelais	21	7.42	22	7.25	22	15.18	22	16.40	French	Cie. Navale de L'Ocean	386.0	52.4	23.3	Bordeaux, France	Noumea, New Cal.	General	5,609	5,242	3,559
Mexican	21	18.30	22	7.55	22	14.20	22	15.55	American	Amer.-Hawaiian Line	472.3	57.2	20.0	Boston, Mass.	Portland, Oreg.	General	3,660	9,258	6,874
Standard [1]	22	1.45	22	8.40	22	16.06	22	17.40	American	Standard Oil Co.	523.0	68.0	20.0	New York, N. Y.	Los Angeles, Calif.	Ballast		12,171	8,782
Port Albany	22	2.45	22	8.40	22	16.30	22	18.10	British	Com'lth & Dom. Line	426.3	54.0	25.0	New York, N. Y.	Wellington, N. Z.	Asphalt, general	4,300	7,506	5,261
Dio	22	3.40	22	9.45	22	17.06	22	18.30	American	Finkbine, Guild Tr. Co.	381.0	52.0	14.0	New York, N. Y.	San Francisco, Cal.	General	1,980	5,708	4,131
Gen. Wm. M. Graham [11]			22	9.45	22	16.29			American	U. S. Army	156.0	32.0		Cristobal, C. Z.	Balboa, C. Z.				
Kanawha [1]	20	17.30	22	11.00	22	17.55	22	19.20	American	U. S. Navy	455.0	56.0	22.0	Coco Solo, C. Z.	Los Angeles, Calif.				
Foldenfjord [1]	22	11.15	22	11.30	22	18.55	22	23.20	Norwegian	Norwegian-Amer. Line	445.0	59.0	20.0	Liverpool, England	Los Angeles, Calif.	Ballast		7,780	5,520
Point Bonita	22	11.59	22	12.22	22	19.50	22	21.18	American	Swayne & Hoyt	324.0	46.2	18.0	Lake Charles, La.	Seattle, Wash.	General	1,757	3,984	2,617
Agwisun [2]	22	14.10	22	14.15	22	20.45	22	22.10	American	Pan-American Oil Co.	429.3	59.2	17.0	Fall River, Mass.	Los Angeles, Calif.	Ballast		7,612	5,402
Jamaica	16	14.30	23	6.05	23	14.08	23	16.35	British	Pacific Steam Nav. Co.	229.0	34.0	12.10	Cristobal, C. Z.	Champerico, Guat.	General	792	1,187	622
Lovstakken	22	15.30	23	6.20	23	14.17	23	16.45	Norwegian	Munson S. S. Line	301.0	42.0	15.0	Baltimore, Md.	Pto. Armuelles, R.P.	General	2,350	2,753	1,887
Jane Christensen	22	19.15	23	7.05	23	14.59	23	16.35	American	Arrow Line	409.5	54.2	17.5	Baltimore, Md.	Seattle, Wash.	General	2,351	6,615	4,966
Panama [2]	22	19.30	23	8.05	23	15.49	23	23.00	Danish	East Asiatic S. S. Co.	410.0	55.0	22.0	Newcastle, England	Vancouver, B. C.	General	6,233	7,027	5,341
Munrio	22	20.25	23	9.50	23	17.17	23	18.38	American	Munson S. S. Line	336.0	48.0	19.6	New York, N. Y.	Seattle, Wash.	General	4,607	4,165	3,066
Sudawsonco	23	8.10	23	9.45	23	17.21	23	18.38	American	Transmarine Lines	324.0	46.2	16.6	Newark, N. J.	Seattle, Wash.	General	1,021	3,984	2,628
Hollywood	23	9.45	23	10.45	23	18.14	23	20.04	American	Chas. R. McCormick	410.5	54.0	24.10	Bahia Blanca, Arg.	Los Angeles, Calif.	General	7,080	6,583	4,932
Ramapo [1]	20	18.45	23	11.45	23	19.09	23	20.56	American	U. S. Navy	461.0	60.0	16.6	Cristobal, C. Z.	Los Angeles, Calif.	Ballast			

[1] Tanker. [9] Yacht. [10] U. S. Navy gunboat. [11] Mine planter. [12] Cotton, phosphate, steel, and tobacco. [13] Cotton, case oil, gasoline, steel rails, and general

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Papoose [1]	17	4.35	17	6.11	17	15.25	17	19.20	American	Petroleum Nav. Co.	423.0	53.2	26.2	Los Angeles, Calif.	New York, N. Y.	Gasoline	8,000	6,430	4,513
Helen Olmsted [1]	16	21.30	17	7.20	17	16.25	17	16.25	American	California Pet. Co.	425.8	57.0	28.0	Los Angeles, Calif.	Baltimore, Md.	Gas oil	10,976	7,484	5,216
Melville Dollar	16	21.00	17	8.16	17	17.20	17	17.20	American	Dollar Line	442.0	55.0	28.0	Seattle, Wash.	Norfolk, Va.	Lumber, general	9,310	7,581	5,519
Istina	16	22.30	17	9.21	17	18.50	17	19.55	Yugoslav	Atlantska Plovidba	360.0	51.¼	21.0	Taltal, Chile	Bilbao, Spain	Nitrate	6,128	4,481	3,428
Cape of Good Hope [2]	17	9.00	17	9.51	17	19.30	17	22.55	British	Canadian Transport Co.	405.0	52.3	24.6	Vancouver, B. C.	Quebec, Canada	Timber	6,200	5,851	4,284

[1] Tanker.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
Chris Moeller [14]	16	16.05	17	10.57	17	22.30	....	....	British	Iron Bank Exchange	265.6	48.0	25.1	Vancouver, B. C.	St. John, New F'nd	Lumber	2,694	2,325	1,969
West Notus	17	10.20	17	11.10	17	20.30	17	20.30	American	McCormick S. S. Co.	410.5	54.3	22.6	San Francisco, Cal.	Buenos Aires, Arg.	(19)	5,100	6,583	5,014
Reginolite [1] [15]	17	7.00	17	12.52	18	00.10	19	15.05	British	Imperial Oil Co., Ltd.	469.2	63.15	27.11	Cabo Blanco, Peru.	Montreal, Canada	Crude oil	12,600	9,231	6,304
Texas Maru	17	15.00	18	6.18	18	14.35	18	16.40	Japanese	Kokusai Kisen Kaisha	425.0	53.67	27.10	Caleta Junin, Chile.	Alexandria, Egypt.	Nitrate	9,333	6,899	5,139
Venezuela	17	21.50	18	7.10	18	15.21	20	13.10	Italian	Navigazione Generale Italiana.	420.0	51.6	21.5	Valparaiso, Chile.	Genoa, Italy	General	3,388	7,622	5,051
Santa Luisa	18	6.20	18	8.02	18	15.25	18	17.27	American	Grace Line	360.2	51.6	26.0	Talcahuano, Chile.	New York, N. Y.	Nitrate, copper	4,123	5,710	4,023
San Melito [1]	17	21.20	18	8.56	18	17.50	18	23.00	British	Anglo-Mexican Pet. Co.	530.0	66.5	28.8	Los Angeles, Calif.	Lizard Head, Eng.	Fuel oil	15,756	12,381	8,817
Gaasterdijk	18	3.00	18	10.05	18	17.40	18	20.25	Dutch	Holland-American Line.	450.0	58.2	28.0	Vancouver, B. C.	Rotterdam, Holland	Grain, general	9,311	9,038	6,164
Lubeck	18	3.50	18	11.02	18	18.30	18	20.30	German	Kosmos Line	338.63	47.4	24.6	Mejillones, Chile	Azores [23]	Nitrate of soda	5,560	4,429	2,752
Nebraskan	18	5.00	18	12.13	18	19.00	18	19.00	American	Amer.-Hawaiian Line	471.1	59.1	23.0	Los Angeles, Calif.	Boston, Mass.	General	6,855	9,032	6,655
Urubamba	18	13.45	19	6.37	19	13.40	22	10.00	Peruvian	Peruvian Line	381.2	46.1	20.0	Callao, Peru	Cristobal, C. Z.	General	2,108	4,803	2,951
Stockton [1]	18	17.30	19	7.26	19	16.25	20	11.35	American	Struthers & Barry	425.9	57.0	28.0	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	8,571	7,485	5,238
Suraileo	18	20.00	19	8.06	19	17.30	19	17.30	American	Transmarine Lines	324.0	46.2	23.0	Tacoma, Wash.	New York, N. Y.	Lumber	4,150	3,984	2,628
Canadian Ranger	18	21.35	19	8.25	19	16.30	19	18.30	British	Can. Gov. Mer. Marine	400.45	52.39	24.0	Victoria, B. C.	Montreal, Canada	Lumber, general.	5,975	5,879	4,121
Herakles	19	2.30	19	9.12	19	18.00	19	19.50	Norwegian	E.I.Dupont DeNemours	389.9	54.1	24.2	Tocopilla, Chile	Sorel, Canada	Nitrate	7,900	5,680	4,220
Tustem [1]	19	4.15	19	9.25	19	18.00	19	18.00	American	Atlantic Refining Co.	423.0	57.2	28.4	Los Angeles, Calif.	Habana, Cuba.	Fuel oil	10,650	7,204	4,768
Mississippi	19	6.00	19	10.17	19	19.25	20	15.20	French	French Line	410.0	52.4	25.11	Valparaiso, Chile.	Havre, France	(20)	7,322	7,156	4,984
William A. McKenney	19	4.30	19	10.44	19	19.15	19	19.15	American	Isthmian S. S. Lines	395.0	55.1	26.6	Seattle, Wash.	Avonmouth, Eng.	Lumber, general.	8,256	6,993	4,990
Montauk	19	10.55	19	11.50	19	19.50	19	19.50	American	Ocean Transport Co.	419.5	56.5	27.0	Seattle, Wash.	New York, N. Y.	Lumber, copper.	9,054	8,696	6,316
Horace Luckenbach	19	7.45	19	12.17	19	20.35	19	20.35	American	Luckenbach Line	445.0	58.0	26.6	Portland, Oreg.	Boston, Mass.	General	6,126	8,699	6,363
Circinus	19	12.30	19	13.25	19	21.35	19	21.35	American	Planet Line	410.0	54.2	22.6	Vancouver, B. C.	Poughkeepsie, N.Y.	Lumber	5,595	6,585	4,791
William H. Doheny [1]	19	8.42	20	5.55	20	13.40	20	13.40	American	Pan-Amer.Pet.& Tr.Co.	435.0	56.2	26.3	Los Angeles, Calif.	Baltimore, Md.	Gasoline	9,600	7,406	5,111
Santa Cruz	19	21.50	20	7.11	20	15.10	21	00.05	American	Grace Line	384.0	50.2	18.11	Taltal, Chile	New York, N. Y.	General	2,511	5,534	3,868
Penang [16]	19	8.15	20	8.08	20	18.00	20	18.00	Finnish	Gustaf Erikson	265.6	40.1	25.0	Isle of Pescadores, Peru	Jacksonvile, Fla.	Guano	3,300	2,022	1,833
Kanawha [1]	20	4.20	20	9.05	20	17.35	22	11.00	American	U. S. Navy	455.0	56.0	27.0	Los Angeles, Calif.	Coco Solo, C. Z.	Fuel oil, gasoline	7,143	7,980	5,271
Ramapo [1]	20	6.16	20	9.59	20	18.45	23	11.45	American	U. S. Navy	461.6	60.0	28.6	Los Angeles, Calif.	Coco Solo, C. Z.	Fuel oil, stores	11,377	8,671	6,424
Dos Hermanos [17]	20	8.58	20	9.50	20	19.00	21	....	Panaman	Isth. Land & Fruit Co.	49.0	12.0	5.0	El Real, R. P.	Cristobal, C. Z.	Bananas	....	17	13
Benrinnes	20	8.20	20	11.35	20	19.20	20	20.30	British	Wm. Thomson & Co.	405.0	51.5	23.6	Portland, Oreg.	Leith, Scotland.	(21)	6,272	5,097	3,476
Hannawa	20	8.55	20	12.20	20	19.30	20	20.35	American	Arrow Line	440.0	56.0	29.0	Portland, Oreg.	Baltimore, Md.	Lumber, general.	9,467	8,300	6,020
London Importer	20	2.00	20	13.03	20	20.45	20	20.45	British	Brit.-Arg. Stm. Nav.Co.	450.0	58.0	29.0	Vancouver, B. C.	London, England	General	8,866	8,405	5,855
Lebore	20	23.00	21	6.00	21	16.05	21	16.05	American	Ore S. S. Corp.	549.65	72.25	34.3	Cruz Grande, Chile.	New York, N. Y.	Iron ore	20,000	14,325	4,635
No. 316 [18]	....	....	21	7.10	21	14.30	21	16.00	American	U. S. Navy	310.0	30.11	10.0	Balboa, C. Z.	Cristobal, C. Z.	....	....	....	....
Balboa [1]	20	8.00	21	7.16	21	16.15	21	20.05	Norwegian	Canadian Transp. Co.	232.6	37.7	18.0	N. West'ster, B. C.	New York, N. Y.	Lumber	1,386	1,415	1,024
Elder Branch	21	8.45	21	9.36	21	16.55	21	22.15	British	F. & W. Ritson	380.0	49.7	24.0	Corral, Chile	Liverpool, England	(22)	6,229	4,951	3,592

[1] Tanker. [14] Motor sailor. [15] Motor ship. [16] Sailing ship. [17] Motor schooner. [18] Destroyer. [19] Lumber, rice, and beans. [20] Nitrate, copper, and sugar. [21] Timber, wheat, and concentrates.
[22] Nitrate, copper, and cotton. [23] For orders.

Santa Rosalia	21	10.35	21	11.18	21	19.05	21	19.05	American	Norton, Lilly & Co.	406.0	52.6	25.6	Tocopilla, Chile	Norfolk, Va.	Nitrate	7,836	5,990	4,443
Clan Mac-Whirter	21	13.30	21	14.24	21	22.20	22	8.20	British	Clan Line Steamers	424.4	55.85	24.6	New Calidonia, South Pacific.	London, England	(24)	7,672	7,094	5,331
Empire Arrow [1]	22	2.00	22	6.28	22	14.00	22	14.00	American	Standard Transp. Co.	468.3	62.7	27.0	Los Angeles, Calif.	Boston, Mass.	Gasoline	11,307	9,841	6,946
Corinthic	21	14.35	22	7.21	22	16.15	22	19.20	British	Shaw, Savill & Albion	500.3	63.3	25.4	Wellington, N. Z.	London, England	Refrigerated, gen.	3,984	12,821	9,507
Nevada	21	22.30	22	7.57	22	17.26	23	00.50	French	French Line	419.0	54.0	23.0	Vancouver, B. C.	Havre, France	(25)	7,635	7,500	5,196
Ario [1]	22	1.00	22	8.45	22	17.35	22	17.35	American	Standard Transp. Co.	435.6	56.2	27.5	Los Angeles, Calif.	New York, N. Y.	Gas oil	9,947	7,336	5,117
Baldbutte [1]	22	5.08	22	9.21	22	18.15	22	18.15	American	McAllister Brothers	416.9	56.2	26.4	Los Angeles, Calif.	Norfolk, Va.	Fuel oil	8,960	6,706	4,693
Wido	22	6.18	22	9.28	22	18.35	22	20.20	German	Roland Line	393.44	54.3	27.1	San Antonio, Chile.	Hamburg, Germany	General	8,206	6,535	4,631
Manchuria	22	3.40	22	11.15	22	19.31	22	20.35	American	Panama-Pacific Line	600.0	65.3	29.4	San Francisco, Cal.	New York, N. Y.	(26)	5,056	17,044	11,488
Swiftlight [1]	22	12.50	22	13.44	22	21.35	22	21.35	American	C. D. Mallory & Co.	464.65	60.2	27.0	Los Angeles, Calif.	Fall River, Mass.	Crude oil	11,224	8,473	6,050
John D. Archbold [1]	22	8.45	23	6.15	23	14.20	23	14.20	American	Standard Oil Co. of N.J.	554.9	75.3	30.6	Los Angeles, Calif.	New York, N. Y.	Crude oil	19,856	14,785	10,313
Point Lobos	22	12.40	23	6.31	23	15.25	23	15.25	American	Swayne & Hoyt	289.0	44.15	18.3	San Francisco, Cal.	New Orleans, La.	General	2,711	2,899	1,946
San Manuel	22	17.00	23	7.28	23	15.50	23	15.55	British	Anglo-Mex. Pet. Co.	407.2	52.3	25.0	Los Angeles, Calif.	Lizard Head, Eng. [23]	Gasoline	7,433	6,183	4,343
Benvorlich	22	19.12	23	7.37	23	15.55	23	16.35	British	W. Thomson & Co.	400.1	52.2	24.10	Portland, Oreg.	Cobh, I. F. S.	Bulk wheat	7,322	5,770	4,071
Baarn	23	10.10	23	11.20	23	20.15	24	14.12	Dutch	Royal Neth. S. S. Co.	390.5	58.3	26.6	Valparaiso, Chile	Hamburg, Germany	Nitrate, general	7,942		
Panaman	23	4.06	23	12.10	23	18.30	23	18.30	American	Amer.-Hawaiian Line	407.7	53.7	22.0	Portland, Oreg.	New York, N. Y.	General	3,742	7,098	5,065

[1] Tanker. [24] Chrome ore, copra, cocoa, and beans. [25] Wheat, barley, coffee, and canned salmon. [26] Canned fruit and paper shingles.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.				* DEPARTURES.			
Date.	Vessel.	Line.	From—	Date.	Vessel.	Line.	For—
July 17	Parismina	United Fruit Co.	New Orleans via Habana.	July 17	Teutonia	Hamburg-American Line	Hamburg via wayports.
July 17	Toloa	United Fruit Co.	Port Limon, Costa Rica.	July 17	Toloa	United Fruit Co.	New York via Habana.
July 18	Calamares	United Fruit Co.	New York via Habana.	July 18	Parismina	United Fruit Co.	New Orleans & wayports.
July 18	El Panquiaco [27]	Panaman Government	Colon, R. P.	July 18	El Panquiaco [27]	Panaman Government	Colon, R. P.
July 19	Crynssen	Royal Netherlands S. S. Co.	Amsterdam via wayports.	July 19	U. D. Vinton [28]	G. I. Bryan	Bluefields, Nicaragua.
July 19	U. D. Vinton [28]	G. I. Bryan	Colon, R. P.	July 20	Crynssen	Royal Netherlands S. S. Co.	Port Limon, Costa Rica.
July 20	Ancon	Panama Railroad S. S. Line	New York via Haiti.	July 20	Calamares	United Fruit Co.	Port Limon, Costa Rica.
July 20	Coppename	United Fruit Co.	New Orleans, La.	July 21	Philadelphian	Leyland Line	New Orleans via Port Limon, Costa Rica.
July 20	Philadelphian	Leyland Line	Liverpool via wayports.				
July 20	Tivives	United Fruit Co.	New York via Kingston.	July 21	Tivives	United Fruit Co.	Colombian ports.
July 21	Inapaquina [29]	United Fruit Co.	Colon, R. P.	July 21	Santa Marta	United Fruit Co.	New York via Kingston.
July 21	Saramacca	United Fruit Co.	Bocas del Toro, R. P.	July 21	Saramacca	United Fruit Co.	New Orleans, La.
July 21	Favorita	Standard Fruit S. S. Co.	New Orleans, La.	July 21	Coppename	United Fruit Co.	Port Limon via Bocas del Toro, R. P.
July 21	Santa Marta	United Fruit Co.	Port Limon, Costa Rica.				
July 22	Crynssen	Royal Netherlands S. S. Co.	Port Limon, Costa Rica.	July 21	Favorita	Standard Fruit S. S. Co.	San Blas, R. P.
July 22	Favorita	Standard Fruit S. S. Co.	San Blas, R. P.	July 21	Inapaquina [29]	United Fruit Co.	Colon, R. P.
July 23	Ariguani	Elders & Fyffes, Ltd.	Port Limon, Costa Rica.	July 23	Ariguani	Elders & Fyffes, Ltd.	Bristol via Kingston.
July 23	Heredia	United Fruit Co.	New Orleans via Habana.	July 23	Favorita	Standard Fruit S. S. Co.	New Orleans, La.
July 20	Mandinga [30]	San Blas Development Corp.	Colon, R. P.	July 23	Crynssen	Royal Netherlands S. S. Co.	Amsterdam and wayports.
				July 23	Mandinga [30]	San Blas Development Corp.	Colon, R. P.

[27] Transport. [28] Schooner. [29] Motor schooner. [30] Launch.

PORT OF BALBOA.

July 19	Neches	U. S. Navy	Los Angeles, Calif.	July 20	Neches	U. S. Navy	Los Angeles, Calif.
July 19	Childar [31]	Latin-American Line	Aberdeen, Wash.	July 20	Pathfinder [32]	Antonio Valdez	Bocas del Toro, R. P.
July 20	Pathfinder [32]	Antonio Valdez	Bocas del Toro, R. P.				
July 23	Nora	Grace Line	Los Angeles, Calif.				

[31] Motor ship. [32] Motor schooner and barge.

*Other than ships passing through the Canal.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending July 23, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Teutonia	Hamburg-American Line		July 17		296
Losada	Pacific Steam Navigation Co		July 17		57
Santa Cecelia	Grace Line	July 17	July 17	53	5
Toloa	United Fruit Co	July 17	July 17	5	65
Parisuina	United Fruit Co	July 17	July 18	213	120
Chris. Moller	Iron Bark Exchange, Ltd	July 17	July 23	331	(1)
Atrato	Colombian Transport Co		July 20		151
Venezuela	Navigazione Generale Italiana	July 18	July 20	44	894
Calamares	United Fruit Co	July 18	July 21	372	11
Texas	French Line	July 18	July 22	162	203
U. D. Vinton	G. and A. Bryan	July 19	July 19	(2)	52½
Stockton	Struthers & Parre	July 19	July 20	8,571	(1)
Mississippi	French Line	July 19	July 20	322	(1)
Crynssen	Royal Netherlands S. S. Co	July 19	July 20	6	(1)
Urubamba	Peruvian Line	July 19	July 21	2,108	(1)
Philadelphian	Leyland Line	July 20	July 21	538	45
Bernekoun	Royal Netherlands S. S. Co	July 20	July 21	303	182
Los Hermanos	Isthmian Land & Fruit Co	July 20	July 21	30	(1)
Ancon	Panama Railroad S. S. Line	July 20		3,108	
Copename	United Fruit Co	July 20	July 21	663	104
Tivives	United Fruit Co	July 20	July 21	152	473
Santa Cruz	Grace Line	July 20	July 21	388	126
Santa Marta	United Fruit Co	July 21	July 21	4	82
Saramacca	United Fruit Co	July 21	July 21	42	280
Favorita	Standard Fruit S. S. Co	July 21	July 21	165	3
Ebro	Pacific Steam Navigation Co	July 21	July 22	38½	(1)
Crynssen	Royal Netherlands S. S. Co	July 22	July 23	19	111
Favorita	Standard Fruit S. S. Co	July 22	July 23	(2)	353
Panama	East Asiatic Co	July 22	July 23	7	(1)
Nevada	French Line	July 22	July 23	62	55
Dinteldyk	Holland-American Line	July 23		14	
Paaru	Royal Netherlands S. S. Co	July 23		16	
Heredia	United Fruit Co	July 23		2,7	
Jamaica	Pacific Steam Navigation Co		July 23		790

[1] No cargo laded. [2] No cargo discharged.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending July 23, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Santa Cecelia	Grace Line	July 17	July 18	58	11
Romulus	S. S. Romulus, Inc	July 19	July 21	6,023	
Neches	U. S. Navy	July 19	July 20	6,814	
Hawaii Maru	O. S. Kaisha	July 21	July 22	59	
Jamaica	Pacific Steam Navigation Co	July 23	July 23		9
Nora	Grace Line	July 23	July 24	13,634	

Provisions Required by Ships.

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at the prices which are in effect for employees, no surcharge being added. Beef especially is available at low prices, hindquarters selling at 12 cents per pound and forequarters at 9½ cents per pound.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit. All vessels are boarded on arrival by a representative of the Commissary Division.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers"). Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Prices of Miscellaneous Supplies at Panama Canal Storehouses.

The following are prices to individuals and companies including the 25 per cent surcharge, effective July 15, 1927:

Commodities.	Unit.	Price.
Brass, bar, average	Lb.	$0.23
Brass, sheet, average	Lb.	.48
Bronze, Tobin, average	Lb.	.23
Gasoline, motor grade	Gal.	.14
Metal, yellow	Lb.	.21
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.18
Oil, Diesel, at Cristobal only, in bulk, no surcharge	Bbl. of 42 gals.	2.35
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals	2.00
Oil, ammonia, cylinder	Gal.	.31
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, in drums, Gulftriton Med. No. 300	Gal.	.48
Oil, engine, gas, extra heavy, in cases, Gulftriton No. 750	Gal.	.68
Oil, engine, gas, extra heavy, in drums, Gulftriton No. 750	Gal.	.59
Oil, kerosene, in drums	Gal.	.13
Oil, marine engine	Gal.	.59
Paint, lead, white, dry	Lb.	.15
Paint, lead, white, in oil	Lb.	.13
Paint, zinc oxide, dry	Lb.	.11
Paint, zinc oxide, in oil	Lb.	.13
Grease, gear, chain and wire rope, lubricating	Lb.	.08
Grease, yellow, cup, No. 3	Lb.	.09
Grease, yellow, cup, No. 5	Lb.	.09
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.19
Waste, cotton, white	Lb.	.20

Publication of Notices and Circulars of Interest to Shipping.

All of the Panama Canal notices to mariners, notices to steamship lines, and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

PANAMA RAILROAD PASSENGER TRAIN TIME-TABLE No. 37, EFFECTIVE MAY 15, 1927.

MAIN LINE STATIONS.	Daily.	Daily except Sunday.	Daily.
	3	5	7
Leave	A. M.	P. M.	P. M.
Colon	9.10	12.15	4.00
Mount Hope	9.15	12.20	4.05
Port Davis	9.24	12 28	4.14
Gatun	9.29	12.34	4.19
Represso	Flag	Flag	Flag
Monte Lirio	9 43	12.48	4.33
Frijoles	9 54	1.00	4.45
Darien	10 01	1.08	4.52
Gamboa	10.10	1.21	5 01
Obispo	Flag	Flag	Flag
Summit	10.21	1.34	5 12
Pedro Miguel	10.32	1.46	5.23
Red Tank	10.35	1.49	5.26
Fort Clayton	10.40	1.55	5.31
Corozal	10.45	2.00	5 35
Balboa Heights	10.50	2.05	5.40
Panama	10.55	2.10	5.45
Arrive	A. M.	P. M.	P. M.
	3	5	7

MAIN LINE STATIONS.	Daily.	Daily except Sunday	Daily.
	2	4	8
Leave	A. M.	P. M.	P. M.
Panama	7.00	12.15	6.10
Balboa Heights	7.05	12.20	6.15
Corozal	7.10	12 26	6.20
Fort Clayton	7.14	12 30	6 24
Red Tank	7.19	12 36	6 29
Pedro Miguel	7.23	12 40	6 33
Summit	7.35	12.53	6.45
Obispo	Flag	Flag	Flag
Gamboa	7.46	1.05	6.56
Darien	7.54	1.15	7.05
Frijoles	8.02	1 24	7.13
Monte Lirio	8.14	1.37	7.24
Represso	Flag	Flag	Flag
Gatun	8.29	1.52	7.39
Fort Davis	8.33	1 56	7.43
Mount Hope	8.40	2 05	7 50
Colon	8 45	2.10	7.55
Arrive	A. M.	P. M.	P. M.
	2	4	8

All trains stop where time is shown.

DAILY.			Daily except Saturd'y and Sunday.	DAILY.		
27	25	23	21	19	17	15
P.M.	P. M.	P. M.	P. M.	A. M.	A. M.	A. M.
11.00	7.30	5.30	3.30	11.50	10.00	6.50
11.02	7.32	5.32	3.32	11 52	10.02	6.52
11.04	7.34	5.34	3.34	11 54	10.04	6.54
11.07	7.37	5 37	3.37	11.57	10.07	6.57
11.13	7.43	5.43	3.43	12.03	10.13	7.03
11.19	7.49	5.49	3.49	12.09	10.19	7.09
11 25	7.55	5.55	3.55	12.15	10.25	7.15
P. M.	P. M.	P. M.	P. M.	P. M.	A. M.	A. M.
27	25	23	21	19	17	15

FORT RANDOLPH BRANCH STATIONS	
Read Down	**Read Up**
Leave	**Arrive**
Third Street, Colon	
Seventh Street	
Cristobal Commissary	
Tower "B"	
France Field	
Coco Solo Station	
Fort Randolph	
Arrive	**Leave**

DAILY.			Daily except Saturd'y and Sunday.	DAILY.		
16	18	20	22	24	26	28
A. M.	A. M.	P. M.	P. M.	P. M.	P. M.	P. M.
7.45	10.55	1.25	4.25	6.25	8.25	11.55
7.43	10.53	1.23	4.23	6.23	8.23	11.53
7.41	10.51	1.21	4 21	6 21	8.21	11.51
7.38	10 48	1.18	4.18	6.18	8.18	11 48
7.30	10 40	1.10	4.10	6.10	8.10	11 40
7.25	10.35	1.05	4.05	6.05	8.05	11 35
7.20	10.30	1.00	4 00	6.00	8.00	11.30
A. M.	A. M.	P. M.	P. M.	P. M.	P. M.	P. M.
16	18	20	22	24	26	28

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XX. Balboa Heights, C. Z., August 3, 1927. No. 52.

Canal Traffic During July—New Record for Transits.

During the month of July, 1927, 509 commercial vessels and 16 small launches transited the Canal. Tolls on the commercial vessels aggregated $2,215,515.99, including $3,400.54 collected on a supplemental bill for a transit in a previous month, and on the launches, $141.51, or a total tolls collection of $2,215,657.50.

The daily average number of transits of seagoing vessels for the month was 16.42, and the daily average tolls collection, $71,358.56. The average amount of tolls paid by each of the commercial transits was $4,346, as compared with $4,330.50 for the month of June, 1927. In these averages the $3,400.54 supplemental collection is not included.

With respect to the number of commercial transits, July was the largest month since the opening of the Canal, the former record being 506 made during December, 1923, and March, 1926. The tolls collection on these 509 transits was the fourth highest in the history of the Canal, being exceeded by December, 1923, January, 1924, and March, 1926.

In the following tabulation the number of commercial transits and the amount of tolls collected are shown for the first 7 months of the current calendar year, with the daily average of transits and tolls:

	Totals for month.		Daily averages.	
	Transits.	Tolls.	Transits.	Tolls.
January	443	$1,984,760.71	14.29	$64,024.54
February	449	1,994,860.82	16.03	71,245.03
March	496	2,217,913.20	16.00	71,545.59
April	464	2,065,206.92	15.46	68,840.23
May	471	2,066,070.73	15.19	66,647.44
June	455	1,970,377.97	15.16	65,679.26
July	509	[1] 2,215,515.99	16.42	[2] 71,358.56
Totals	3,287	14,514,706.34	15.50	68,465.60

[1] Includes $3,400.54 additional collected on supplemental bill. [2] Does not include $3,400.54 collected on supplemental bill.

Notice to Mariners—Removal of Sunken Yawl.

THE PANAMA CANAL, EXECUTIVE OFFICE,

BALBOA HEIGHTS, C. Z., August 3, 1927.

The yawl *M. F. Benefit*, lately sunk near Colon Harbor, North 33° East true, 1¾ miles from the East Breakwater Light, has been removed.

Since some cargo is still scattered about, the site is temporarily marked by a small globular buoy, and the black and red obstruction buoy removed.

No menace to navigation now exists at this site.

M. L. WALKER,
Governor.

MOVEMENTS OF OCEAN VESSELS.

Week ending at midnight, July 30, 1927.

THROUGH THE CANAL—ATLANTIC TO PACIFIC.

Ship	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross	Net.
Dinteldijk [2]	23	5 35	24	6 10	24	12 50	24	14 15	Dutch	Holland-American Line	485.6	62.3	21 1	Rotterdam, Holland	Portland, Oreg.	General, bananas	3,722	10,786	7,551
Varduilia	23	12 33	24	6 20	24	13 52	24	15 35	British	Com'lth & Dom. Line	423.6	56.0	24 8	South Shields, Eng	Brisbane, Australia	General	5,453	6,421	4,617
Swan [1]			24	6 10	24	14.32			American	U. S. Navy	180.0	35.6		Cristobal, C. Z	Balboa, C. Z	(6)			
King Cadwallon	23	14 25	24	7 25	24	14.38	24	16 00	British	Dodd, Thomson & Co.	400.0	52 2	15.0	Rotterdam, Holland	Portland, Oreg	Ballast		6,091	4,415
Teucer	23	15 55	24	7 30	24	14.38	24	16 00	British	Alfred Holt & Co	486.0	58.0	23.5	Norfolk, Va.	Yokohama, Japan	General	2,299	9,366	6,474
Rapot	23	20 50	24	8 00	24	15.37	25	09 30	German	Roland Line	393.5	54 3	25 6	Hamburg, Germany	Valparaiso, Chile	General	6,575	6,583	4,626
Santore	24	2 05	24	8 30	24	15.53	24	21 45	American	Ore S. S. Corp.	449.0	57 0	18.0	Baltimore, Md.	Cruz Grande, Chile.	Ballast		7,808	5,139
San Salvador [1]	24	2.15	24	9 30	24	16.30	24	20 15	British	Anglo-American Pet. Co.	407.4	52 2	19.6	Liverpool, England	Los Angeles, Calif.	Ballast		6,157	4,137
Canadian Conqueror.	24	3 20	24	10 00	14	16 49	24	21.01	British	Can. Gov. Mer. Marine	400.0	52.0	18.0	Montreal, Canada	Brisbane, Australia	General	1,126	5,954	4,139
David McKelvy [1]	24	5 00	24	10 45	24	17.18	24	18 24	American	Tidewater Oil Co	430.0	59 0	18.0	New York, N. Y.	Los Angeles, Calif.	Ballast		7,629	5,325
Fordefjord [2]	24	5 55	24	11 15	24	17.44	24	19 07	Norwegian.	Canadian Transp. Co.	387.0	50.0	14 0	Kingston, Jamaica	Vancouver, B. C.	Ballast		5,572	4,134
Sildra [1] [7]	24	6 27	24	12 07	24	19.18	25	7.40	Norwegian.	William Jabson	449.0	57.0	19.0	Danzig, Germany	San Francisco, Cal.	Ballast		7,583	5,071
Felix Taussig.	24	13 45	25	6 07	25	13.00	25	14 30	American	Isthmian S. S. Lines	395 0	55.0	14 11	New York, N. Y.	Seattle, Wash.	Ballast		7,056	4,964
Homer City.	24	16 10	25	6 20	25	13.38	25	15 10	British	Continental Grain Co.	385.0	53.0	17.0	South Shields, Eng.	Portland, Oreg	Ballast		5,517	3,953
Argonne [1]	25	5 00	25	7 20	25	14.12	26	1.40	American	U. S. Navy	436.9	58 2	24.0	Hampton R'ds, Va.	San Diego, Calif.	Naval supplies	25		
Benicia.	24	20 00	25	7 40	25	14.59	25	18 00	British	John Edgar & Co	404.9	52.9	20 3	New York, N. Y.	Sydney, N. S. W	General	3,833	5,635	4,103
Spirila [1]	24	21 05	25	8.25	25	15 24	25	19 02	British	Anglo-Saxon Pet. Co.	411 5	53.4	18 10	London, England	Los Angeles, Calif	Ballast		6,126	4,296
Gymeric [1]	25	7 30	25	8.45	25	15.50	25	20 50	British	British-Mexican Pet. Co.	420 0	54 3	19.0	Southampton, Eng.	Los Angeles, Calif	Ballast		6,501	4,459
Henry D. Whiton.	25	9 03	25	9 40	25	17.18	25	22.40	American	Union Sulphur Co	356.0	51.6	25.0	Sabine, Texas.	Los Angeles, Calif	Sulphur	6,500	5,367	2,925
No. 318 [5]	24	15 55	25	10 15	25	16.07	27	13.20	American	U. S. Navy	310.0	31.0		Bluefield's, Nicaragua	Balboa, C. Z.				
Cherry Branch	25	10.47	25	11 00	25	18.03	25	20.50	British	F. & W. Ritson.	400.5	51.9	21.0	Liverpool, England	Corral, Chile	General	4,120	5,403	3,960
Santa Isabel.	24	22 20	25	13 07	25	20.58	25	22 40	American	American-Cuban Co	251.0	43.6	25.0	Baltimore, Md	Honolulu, T. H.	(7)	3,249	2,823	1,740
Maine.	26	00 05	26	6 25	26	13.30	26	15.10	American	Isthmian S. S. Lines	402.0	54.2	24 7	New York, N. Y.	Tacoma, Wash	Steel, general	6,783	6,936	5,024
Westmoreland.	26	5 25	26	7 30	26	15.21	27	10 57	British	Federal Steam Nav. Co.	473.0	60.0	29 4	Liverpool, England	Auckland, N. Z.	General	9,708	10,423	7,456
Swifteagle [1]	26	6.40	26	8 50	26	16.25	26	17 40	American	C. D. Mallory & Co.	464.0	60.2	21.0	New York, N. Y.	Los Angeles, Calif.	Ballast		8,473	6,104
Astoria [2]	26	11 28	26	11 38	26	17.46	26	19 20	Danish	Can. Transp. Co.	379 0	53.2	17 0	New York, N. Y.	Vancouver, B. C.	Sugar	3,000	6,241	4,583
Urubamba	26	20 25	26	12 00	26	19.18	27	2 30	Peruvian	Peruvian Line	381.2	46 0	19 0	Covenas, Colombia	Callao, Peru	General, cattle	137	4,803	2,951
Oakworth [2]	26	14 20	26	14 35	26	20.51	27	1 16	British	Dalgliesh S. S. Co	400.0	53.2	14.6	Savona, Italy.	Portland, Oreg	Ballast		5,615	3,757
Ecuador	26	5.40	27	6 07	27	13.12	27	22 10	American	Panama Mail S. S. Co.	380 6	47 7	22.6	New York, N. Y	San Francisco, Cal.	General	2,289	5,926	4,178
La Marseillaise.	26	3 15	27	6 15	27	13.58	27	15 25	French	French Line	429.5	58.2	26 0	Havre, France.	Vancouver, B. C.	General	3,651	8,079	5,580
Bolton Castle	26	18 05	27	7 25	27	14.56	27	16 45	British	Barber S. S. Line	425.0	53.0	26.0	New York, N. Y.	Shanghai, China.	General	6,547	6,537	4,837
Californian [2]	26	22 00	27	7 35	27	15.41	27	16 40	American	Amer.-Hawaiian Line	445 0	59 8	22.0	New York, N. Y.	Seattle, Wash	General	5,237	8,567	6,020
Willpolo.	27	2 10	27	8 40	27	15 49	27	16 59	American	Williams S. S. Line	386 8	52 0	19 0	Baltimore, Md	Tacoma, Wash	General	4,707	5,680	4,080
Shreveport [1]	27	2 20	27	8 45	27	16 37	27	17 40	American	Crew, Levick & Co	435 0	56 0	16 6	Philadelphia, Pa.	Los Angeles, Calif	Ballast		7,411	5,109

[1] Tanker. [2] Motor ship [3] Mine sweeper. [4] Submarine tender. [5] Destroyer. [6] Towing barge. [7] Sulphate of ammonia.

Orduna	26	17.18	27	9.35	27	17.16	27	18.20	British	Pacific Steam Nav. Co.	550.3	67.0	30.5	Liverpool, England	Coronel, Chile	General	4,938½	17,143	12,011
Sunbeam [1]	27	1.25	27	9.58	27	17.25	27	18.40	American	Sun Oil Co.	429.3	59.2	21.4	Tampa, Fla.	San Francisco, Cal.	Ballast		7,709	5,562
K. I. Luckenbach	27	4.05	27	10.55	27	18.17	27	23.04	American	Luckenbach Line	446.0	56.0	22.0	Boston, Mass.	Seattle, Wash.	General	5,434	8,552	6,236
Horda	27	7.40	27	11.00	27	19.00	27	20.35	Norwegian	Latin-American Line	379.9	53.7	13.0	Rotterdam, Holland	Los Angeles, Calif.	Ballast		5,745	4,135
Pacific Fir	27	11.20	27	12.15	27	19.55	27	21.25	American	Ocean Transport Co.	410.5	54.0	17.0	New York, N. Y.	Seattle, Wash.	General	2,600	6,622	4,882
Corona [8]	23	11.25	27	13.10	27	20.45	27	22.10	Peruvian	Ferraro Brothers	150.0	23.0	9.9	New York, N. Y.	Callao, Peru	Coconuts	20	294	140
Santa Elisa	27	15.05	28	6.10	28	13.55	28	17.00	American	Grace Line	360.3	51.7	24.0	New York, N. Y.	Talcahuano, Chile	General	2,546	5,957	4,325
London Shipper	27	6.20	28	6.10	28	14.39	28	15.35	British	Furness, Withy & Co.	450.0	58.0	18.3	Glasgow, England	Vancouver, B. C.	General	1,380	8,662	6,099
Cedarbank [2]	27	20.55	28	7.35	28	15.28	28	17.00	British	Andrew Weir & Co.	420.0	53.9	25.0	Port Arthur, Texas	Townsville, Aust'lia	(10)	7,067	7,099	5,016
Durenda	28	0.20	28	7.35	28	15.54	28	23.10	British	Federal Steam Nav. Co.	450.1	58.2	22.6	New York, N. Y.	Sydney, Australia	Oil, general	5,272	8,491	5,760
Fishpool	28	7.47	28	8.45	28	16.15	28	17.30	British	McMillan Export Co.	379.0	56.0	14.0	Philadelphia, Pa.	Astoria, Oreg.	Ballast		5,487	4,180
Steel Inventor	28	8.15	28	9.20	28	16.53	28	22.14	American	U. S. Steel Products Co.	424.2	56.2	25.0	Baltimore, Md.	Kobe, Japan	General	8,200	7,611	5,450
Dean Emery [1]	27	22.15	28	9.40	28	17.05	28	18.25	American	Mexican Petroleum Co	429.3	59.2	19.10	New York, N. Y.	Los Angeles, Calif.	Ballast		7,709	5,517
Chiman [2]	27	20.50	28	10.05	28	17.25	31	1.53	Panaman	Isth. Land & Fruit Co.	116.0	21.0	7.0	Cristobal, C. Z.	Balboa, C. Z.	Ballast		211	124
Gudrun Maersk	28	7.15	28	11.50	28	19.33	28	21.10	Danish	Norton, Lilly & Co.	361.7	51.4	26.1	New York, N. Y.	San Antonio, Chile	General	6,475	4,961	3,477
Theodore Roosevelt [2]	28	2.35	28	12.25	28	20.27	30	1.45	Norwegian	Fred Olsen & Co.	425.5	55.2	22.5	Antwerp, Belgium	Vancouver, B. C.	General	5,756	7,593	5,637
Anayasis [9]			28		28	14.41			Panaman	Panaman Government				Cristobal, C. Z.	Gatun, C. Z.	Ballast			
Arana	27	0.35	29	6.07	29	16.14	29	17.30	British	Pacific Steam Nav. Co	303.0	43.0	19.3	New York, N. Y.	Salaverry, Peru	General	1,379	2,851	1,776
Finland	28	16.00	29	6.30	29	15.42	30	10.44	American	Panama-Pacific Line	560.0	60.2	26.4	New York, N. Y.	San Francisco, Cal.	General	1,937	13,559	9,016
President Harrison	29	5.10	29	7.10	29	15.28	30	00.27	American	Dollar Line	502.1	62.2	25.0	New York, N. Y.	San Francisco, Cal.	General	3,506	12,031	8,495
S. C. T. Dodd [1]	27	20.40	29	7.55	29	17.05	29	17.50	American	Standard Oil Co.	425.0	57.2	13.6	Cristobal, C. Z.	Los Angeles, Calif.	Ballast		7,481	4,975
Baldhill [1]	28	21.00	29	8.25	29	17.19	29	18.30	American	McAllister Bros. (S. B.)	416.9	56.2	19.6	Norfolk, Va.	Los Angeles, Calif.	Ballast		6,728	4,690
Epoca [2]	28	22.40	29	8.35	29	18.05	30	1.45	Norwegian	Ricardo Holguin	213.9	35.2	11.8	Pto. Cabello, Ven.	Buenaventura, Col.	Cattle	175	1,218	742
Charles H. Cramp	28	23.35	29	8.45	29	18.02	29	23.42	American	Argonaut S. S. Co.	404.6	53.0	27.0	Baltimore, Md.	Tacoma, Wash.	General	6,970	6,755	4,750
Hanley	29	3.15	29	9.45	29	18.55	30	0.27	American	Isthmian S. S. Lines	440.0	56.0	19.6	Baltimore, Md.	Everett, Wash.	Ballast		8,301	5,995
Itauri	27	13.40	29	10.00	29	19.47	30	16.00	German	Hamburg-AmericanLine	438.8	55.6	21.11	Hamburg, Germany	Valparaiso, Chile	General	5,630	7,004	5,017
Gargoyle [1]	29	3.25	29	10.45	29	20.30	29	21.57	American	Vacuum Oil Co.	425.0	57.2	20.0	Philadelphia, Pa.	San Francisco, Cal.	Ballast		7,510	4,989
Solana [1]	29	9.32	29	11.25	29	21.26	29	23.00	American	Tidewater Oil Co.	419.3	56.5	20.0	New York, N. Y.	San Francisco, Cal.	Ballast		7,060	5,025
Acme [1]	29	11.20	29	12.20	29	22.24	29	23.42	American	Standard Transp. Co.	435.0	56.0	25.0	Beaumont, Texas	Yang Tsze, China	Refined oil	8,818	7,165	4,926
Salvador	24	18.45	29	13.00	29	23.18	30	3.15	British	Pacific Steam Nav. Co.	215.0	33.5	17.5	Cristobal, C. Z.	Champerico, Guat.	General	1,172	1,270	735
Buffalo Bridge	29	12.40	29	13.10	29	23.22	30	3.15	American	Amer.-Hawaiian Line	324.0	46.0	20.0	Charleston, S. C.	Seattle, Wash.	General	2,700	3,985	2,630
Albert Vogler	29	3.25	30	6.00	30	13.52	30	16.29	German	Hamburg-AmericanLine	424.0	55.0	21.5	Hamburg, Germany	San Francisco, Cal.	General	5,566	7,173	5,514
Axel Johnson [2]	29	15.40	30	7.00	30	14.44	30	17.40	Swedish	Johnson Line	409.0	52.6	24.2	Gothenburg, Sweden	San Francisco, Cal.	General	5,284	6,642	4,860
Isis [2]	29	19.25	30	8.30	30	15.28	30	23.52	German	Hamburg-AmericanLine	392.9	51.6	25.0	Hamburg, Germany	Vancouver, B. C.	General	6,574	5,788	4,027
Silverguava [2]	30	2.45	30	9.45	30	16.17	30	17.20	British	Silver Line	425.7	58.3	20.0	New York, N. Y.	Manila, P. I.	General	2,970		
Florence Luckenbach	30	6.40	30	10.50	30	18.12	30	19.20	American	Luckenbach Line	401.8	52.0	21.2	New Orleans, La.	Seattle, Wash.	General	4,570	6,002	4,621
San Zotico [1]	30	12.10	30	12.25	30	19.45	31	0.59	British	Anglo-Mexican Pet. Co.	399.7	52.0	19.0	Falmouth, England	Los Angeles, Calif.	Ballast			
Benjamin Franklin [2]	30	14.25	30	14.30	30	20.54	31	19.25	Norwegian	Norway-Pacific Line	471.0	60.0	16.4	St. Nazaire, France	San Francisco, Cal.	Ballast			

[1] Tanker. [2] Yacht. [9] Launch. [10] Case oil and asphalt.

MOVEMENTS OF OCEAN VESSELS.—Continued.

THROUGH THE CANAL—PACIFIC TO ATLANTIC.

Ship.	Arrived at port.		Entered Canal.		Completed transit.		Cleared for sea.		Nationality.	Operator.	Length.	Beam.	Salt water draft.	From—	For—	Cargo.		Panama Canal tonnage.	
	Day.	Hour.	Day.	Hour.	Day.	Hour.	Day.	Hour.								Nature.	Tons.	Gross.	Net.
British Monarch	23	15.00	24	6.23	24	14.10	24	14.10	British	Canadian Transp. Co.	420.6	54.35	24.6	Vancouver, B. C.	New York, N. Y.	Lumber	7,021	6,716	4,872
Canadian Highlander	23	23.46	24	7.06	24	15.38	24	20.00	British	Can. Gov. Mer. Marine	400.0	52.4	23.7	Vancouver, B. C.	Montreal Canada	Lumber	5,991	6,192	4,402
Robin Adair	24	2.50	24	8.18	24	15.40	24	16.14	American	Seas Shipping Co.	424.8	55.2	25.6	Los Angeles, Calif.	New York, N. Y.	Lumber	6,990	7,470	5,529
Oran	24	6.40	24	9.01	24	16.55	24	16.55	American	Oriental Nav. Co.	410.5	54.2	25.9	Los Angeles, Calif.	Philadelphia, Pa.	Lumber	7,300	6,755	4,887
Salvador	24	10.00	24	12.02	24	18.45	29	13.00	British	Pacific Steam Nav. Co.	215.0	33.5	16.10	Champerico, Guat.	Cristobal, C. Z.	(13)	1,007	1,270	735
William Rockefeller [1]	25	0.05	25	6.08	25	14.10	25	14.45	American	Standard Oil Co. of N. J.	554.9	75.3	30.0	Los Angeles, Calif.	Baltimore, Md.	Bulk gasoline	20,429	14,785	10,313
Victorious	24	13.30	25	7.29	25	16.30	25	16.30	American	American-Pioneer Line	440.0	56.0	29.0	Cebu, P. I.	New York, N. Y.	(14)	10,128	8,328	6,036
Gen. Wm. M. Graham	.....	.....	25	7.30	26	13.45	.....	.....	American	U. S. Army	160.2	32.0	.....	Balboa, C. Z.	Cristobal, C. Z.	.....	.....	.....	.....
Essequibo	25	4.10	25	8.08	25	15.30	25	22.05	British	Pacific Steam Nav. Co.	450.35	57.86	24.9	Talcahuano, Chile.	New York, N. Y.	(15)	3,360	9,158	6,176
Fella [11]	25	2.30	25	9.13	25	16.45	25	23.30	Italian	Nav. Libera-Triestina	436.6	55.46	26.5	Vancouver, B. C.	Trieste, Italy	Wheat, general	9,133	7,784	5,913
Atlantic	25	10.30	25	11.12	25	18.25	25	18.25	American	Argonaut S. S. Line	410.5	54.3	25.0	Everett, Wash.	Newark, N. J.	Lumber	6,974	6,567	4,917
Amerikaland [11]	25	12.20	25	15.00	26	11.50	26	11.50	Swedish	Ore S. S. Corp.	561.0	72.2	33.6	Cruz Grande, Chile	New York, N. Y.	Iron ore	21,000	15,560	4,496
Franklin K. Lane [1]	25	15.25	26	6.03	26	13.50	26	13.50	American	Huasteca Petroleum Co.	435.0	56.2	26.0	Los Angeles, Calif.	New Orleans, La.	Motor gasoline	9,686	7,405	5,131
Montrolite [1] [10]	25	16.45	26	8.03	26	17.15	26	17.15	British	Imperial Oil Co., Ltd	510.9	68.2	31.0	Talara, Peru	Montreal, Canada	Crude oil	15,000	11,555	7,695
Sapelo [1]	24	17.00	26	9.06	26	18.25	27	7.15	American	U. S. Navy	477.10	60.0	30.0	Los Angeles, Calif.	Guantanamo, Cuba	Fuel oil	11,193	.....	.....
Suzillenco	25	18.00	26	9.12	26	18.35	26	18.35	American	Transmarine Lines	324.0	46.2	23.10	Englewood, B. C.	Port Newark, N. J.	Lumber, general	4,600	3,984	2,612
Suscolanco	26	6.15	26	10.00	26	18.35	29	1.20	American	Transmarine Lines	324.0	46.2	23.3	Gray's Harbor, Wash	Port Newark, N. J.	Lumber	4,165	3,984	2,612
Eemdijk	25	20.15	26	11.02	26	19.35	27	0.20	Dutch	Holland-American Line	470.0	58.3	23.7	Victoria, B. C.	Liverpool, England	General	8,668	8,514	6,066
Osiris [11]	26	0.15	26	12.28	26	19.31	26	19.31	German	Hamburg-American Line	376.12	51.76	24.0	Tacoma, Wash.	Hamburg, Germany	(16)	6,120	5,788	4,023
Loreta [11]	26	17.50	27	6.22	27	14.40	27	17.25	British	Pacific Steam Nav. Co.	406.2	54.2	27.6	Coronel, Chile	Liverpool, England	General	8,318	7,334	5,037
Saint Joseph	26	21.15	27	7.15	27	17.20	28	11.10	French	French Line	411.0	51.7	25.6	Talcahuano, Chile.	Liverpool, England	General	7,316	5,979	4,170
Orcoma	27	4.30	27	8.08	27	16.45	28	1.30	British	Pacific Steam Nav. Co.	511.6	62.25	28.0	Talcahuano, Chile.	Liverpool, England	(17)	5,851	12,414	8,302
Viking [12]	27	6.30	27	8.59	28	17.30	28	17.30	Danish	United S. S. Co.	285.3	44.6	23.6	Callao, Peru	Dublin, Ireland	Guano	3,950	.....	.....
A. L. Kent	27	1.00	27	9.19	27	17.20	27	17.20	American	Mystic S. S. Co.	394.1	55.1	26.6	Longview, Wash.	Philadelphia, Pa.	Lumber	7,500	.....	.....
Andrea F. Luckenbach	27	0.50	27	9.47	27	18.10	27	18.10	American	Luckenbach Line	496.0	68.2	29.2	Portland, Oreg.	Philadelphia, Pa.	Lumber, general	12,276	11,487	8,762
Oakbranch	27	2.30	27	10.21	27	18.35	27	18.35	British	Gulf Line	385.0	49.8	22.6	Valparaiso, Chile.	Liverpool, England	General	5,905	5,209	4,035
Sunelseco	27	7.00	27	10.48	27	19.49	27	19.40	American	Transmarine Lines	324.0	46.2	23.2	Gray's Harbor, Wash	New York, N. Y.	Lumber	3,827	3,984	2,612
Alf	27	9.55	27	11.04	27	19.55	27	21.10	Norwegian	Seand.-So. Pac. Line	321.5	41.7	22.5	Tocopilla, Chile	Azores [18]	Nitrate of soda	4,399	3,111	2,256
S. C. T. Dodd [1]	27	10.20	27	11.14	27	20.40	29	7.55	American	Standard Oil Co., of Cal.	425.0	57.2	29.0	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	10,394	7,481	4,975
Chiman [11]	27	10.45	27	11.47	27	20.50	28	10.05	Panaman	Isth. Land & Fruit Co.	116.0	21.0	7.0	Darien, R. P.	Cristobal, C. Z.	Bananas	.....	211	124
Ohioan	27	5.30	27	12.41	27	20.40	27	20.40	American	Amer.-Hawaiian Line	407.7	53.7	22.0	Seattle, Wash.	Boston, Mass.	General	5,572	7,103	4,955
W. S. Rheem [1]	28	3.35	28	6.20	28	14.27	28	18.04	American	Standard Oil Co., of Cal.	500.0	68.2	28.5	Los Angeles, Calif.	London, England	Gasoline	13,600	11,224	7,895
San Tiburcio [1]	28	5.45	28	7.16	28	16.15	28	18.55	British	Anglo-Mex. Pet. Co.	413.0	53.40	25.0	Los Angeles, Calif.	Lizard Head, Eng [18]	Gasoline	7,302	5,997	4,069

[1] Tanker. [11] Motor ship. [12] Sailing ship. [13] Coffee, sugar, and spice. [14] Sugar, copra, and lumber. [15] Copper, nitrate, nuts, hides, beans, and cotton. [16] Asphalt, borax, lumber, and general.

[17] Copper, ores, cotton, nitrate, wool, and grain. [18] For orders.

Actor	27	19.30	28	8.10	28	16.45	28	20.25	British	T. & J. Harrison	410 2	52.25	26.7	Vancouver, B. C.	London, England	General	7,188	6,666	4,707
Suwied	28	8.15	28	10.16	28	17.35	28	18.45	American	Charles Nelson & Co.	324.0	46.2	25.0	Port Angeles, Wash	Baltimore, Md	(22)	4,741	3,983	2,629
Orleans	28	11.28	28	12.17	28	19.25	28	19.25	American	Quaker Line	395.5	55.0	26.0	Aberdeen, Wash	Philadelphia, Pa.	Lumber	7,012	7,330	5,233
Mineola	28	13.00	28	13.32	28	21.10	28	23.15	American	N. O. & S. A. S. S. Co.	298.6	40.0	21.2	San Antonio, Chile	New Orleans, La.	Nitrate	3,576	2,835	1,805
Atlantic Sun [1]	28	16.25	29	6.03	29	16.40	29	16.40	American	Sun Oil Co	429.3	59.2	26.6	Los Angeles, Calif.	Philadelphia, Pa.	Gasoline	9,328	7,568	5,283
Watertown [1]	29	1.50	29	7.23	29	17.10	29	20.40	American	Cities Service Tr. Co.	416.9	56.2	27.0	San Francisco, Cal.	New York, N. Y.	Gasoline	9,200	6,717	4,778
Colombia	28	10.40	29	8.20	29	15.40	30	12.19	American	Panama Mail S. S. Co.	380.0	48.7	24.5	San Francisco, Cal.	New York, N. Y.	General	2,018	6,015	4,282
Deroche [1]	28	14.25	29	9.24	29	18.10	29	18.10	American	Union Oil Co. of Calif.	435.0	56.0	29.0	Los Angeles, Calif	Rio de Janerio, Bra.	Oil	10,430	7,452	5,199
Cubore [11]	29	1.20	29	9.48	29	19.30	29	19.30	American	Ore S. S. Corp	450.6	57.2	29.6	Cruz Grande, Chile	Baltimore, Md	Iron ore	10,500	7,956	4,866
No. 336 [19]			29	11.15	29	18.25	29	23.10	American	U. S. Navy	310.0	30.11	11.0	Balboa, C. Z.	Cristobal, C. Z.				
Alaska	29	8.40	29	11.06	29	19.50	30	12.10	French	French Line	337.0	55.0	26.0	Vancouver, B. C.	Havre, France	Lumber, general	7,507	6,990	4,854
Cauca [11]	29	10.50	29	11.40	29	21.13			Colombian	Cia. Nacional de Nav.	107.48	22.97	10.0	Buenaventura, Col.	Cristobal, C. Z.	General	272	238	163
Canadian Pioneer	29	11.30	29	12.49	29	20.20	30	5.25	British	Can. Gov. Mer. Marine	400.4	52.48	17.0	Auckland, N. Z.	Montreal, Canada	General	1,157	5,877	4,070
Hagood [1]	29	11.45	29	14.15	29	23.00	29	23.00	American	Cities Service Transp.	435.6	56.2	28.6	Los Angeles, Calif.	Philadelphia, Pa.	Fuel oil	10,680	7,426	5,094
Swan [20]			30	6.09	30	14.00			American	U. S. Navy	187.10	35.6		Balboa, C. Z.	Cristobal, C. Z.	(22)			
Ansaldo San Giorgio III [23]	29	18.30	30	11.14	30	19.10	30	20.45	Italian	Soc. Naz. di Navigazione.	385.7	51.7	24.8	Victoria, B. C.	New York, N. Y.	Lumber, pulp	6,000	5,759	4,613
Inverleith [1]	30	10.35	30	11.21	30	19.55	31	7.00	British	Andrew Weir & Co.	411.6	55.8	27.10	Los Angeles, Calif.	Southampton, Eng.	Fuel oil	8,469	7,169	4,495
D. G. Scofield [1]	30	4.00	30	12.29	30	20.10	30	20.10	American	Standard Oil Co., Calif.	439.5	58.0	30.6	Los Angeles, Calif	Baltimore, Md	Crude oil	10,850	8,698	5,935
Silksworth	30	14.00	30	14.44	30	22.10	31	0.50	British	R. G. Dalgliesh, Ltd.	415.0	53.3	24.0	Astoria, Wash.	St. John, N. B.	Lumber	6,000	6,530	4,623
E. J. Sadler [1]	30	3.20	30	15.13	31	00.40	1	6.00	American	Standard Oil Co. of N.J.	499.2	68.1	29.8	Los Angeles, Calif.	Cristobal, C. Z.	Fuel oil	11,650	11,020	7,988
Betty Joe [21]			30	13 45	30				Panaman	United Fruit Co				Balboa, C. Z.	Gatun Lake, C. Z.				

[1] Tanker. [19] Destroyer. [20] Auxiliary minesweeper. [21] Launch. [22] Lumber and copper blisters. [23] Towing barge *No. 2*.

Hours are expressed on the 24-hour basis and all hours greater than 12 are postmeridian.

PORT OF CRISTOBAL.

* ARRIVALS.

Date.	Vessel.	Line.	From—
July 24	Maravi	United Fruit Co	New York via wayports.
July 24	Calamares	United Fruit Co	Port Limon, Costa Rica.
July 25	Pastores	United Fruit Co	New York via Habana.
July 26	Antillian	Leyland Line	Liverpool via wayports.
July 27	Kyphissia	Hamburg-American Line	Antwerp via wayports.
July 27	Suriname	United Fruit Co	New Orleans, La.
July 27	Perou	French Line	St. Nazaire via wayports.
July 27	Sixaola	United Fruit Co	New York via Kingston.
July 27	St. Mihiel [24]	U. S. Army	New York via San Juan.
July 28	Inapaquina [25]	United Fruit Co	Colon, R. P.
July 28	Coppename	United Fruit Co	Bocas del Toro, R. P.
July 28	Tivives	United Fruit Co	Port Limon, Costa Rica.
July 28	Virginia	Standard Fruit S. S. Co	New Orleans, La.
July 29	Linda S [25]	Surgeon Brothers	Colon, R. P.
July 30	Virginia	Standard Fruit S. S. Co	San Blas, R. P.
July 30	Macabi	United Fruit Co	New York via wayports.

[24] Transport.

* DEPARTURES.

Date.	Vessel.	Line.	For—
July 24	Calamares	United Fruit Co *	New York via Habana.
July 24	Maravi	United Fruit Co	New York via Kingston.
July 24	Ancon	Panama Railroad S. S. Line	New York via Haiti.
July 25	Heredia	United Fruit Co	New Orleans via wayports.
July 27	Pastores	United Fruit Co	Port Limon, Costa Rica.
July 27	Kyphissia	Hamburg-American Line	Port Limon, Costa Rica.
July 27	Antillian	Leyland Line	New Orleans via wayports.
July 28	Sixaola	United Fruit Co	Colombian ports.
July 28	Tivives	United Fruit Co	New York via Kingston.
July 28	Suriname	United Fruit Co	Port Limon via Pocas.
July 28	Coppename	United Fruit Co	New Orleans, La.
July 28	Virginia	Standard Fruit S. S. Co	San Blas, R. P.
July 28	Inapaquina [25]	United Fruit Co	Colon, R. P.
July 29	Perou	French Line	St. Nazaire via wayports.
July 29	Linda S [25]	Surgeon Brothers	Bluefields, Nicaragua.
July 30	Virginia	Standard Fruit S. S. Co	New Orleans, La.
July 30	Macabi	United Fruit Co	New York via Kingston.

[25] Motor schooner.

PORT OF BALBOA.

July 26	Algonquin	Standard Transportation Co	Los Angeles, Calif.	July 24	Nora	Grace Line	Los Angeles, Calif.
July 25	Cricanola [26]	United Fruit Co	Panama Bay, R. P.	July 25	Cricanola [26]	United Fruit Co	Panama Bay, R. P.
July 27	Pathfinder [27]	A. Valdez	Bayano River, R. P.	July 27	Algonquin	Standard Transportation Co	Los Angeles, Calif.
July 27	Bokuyo Maru	Nippon Yusen Kaisha	Hongkong, China.	July 27	Pathfinder [27]	A. Valdez	Bayano River, R. P.
July 29	Ontariolite [28]	Imperial Oil Co., Ltd	Talara, Peru.	July 28	Bokuyo Maru	Nippon Yusen Kaisha	Valparaiso, Chile.

[26] Yacht. [27] Motor schooner and barge. [28] Motor ship. *Other than ships passing through the Canal.

Population of the Canal Zone.

A house-to-house canvass of the civil population of the Canal Zone, taken between June 1 and June 30, 1927, by the Police and Fire Division of The Panama Canal, shows a total civil population of 27,624. This is a decrease of 68 from the 27,692 listed in 1926, and an increase of 473 over the 1925 canvass. The population as of June, 1927, was distributed as follows:

	Americans.					All others.					
	Total men.	Employees.	Total women.	Employees.	Children.	Total men.	Employees.	Total women.	Employees.	Children.	Total.
Balboa District	.....	1,609	.....	327	.....	.....	2,113	.....	55	.....	4,104
	1,810	.....	1,891	.....	1,894	3,496	.....	2,502	.....	4,860	16,453
Cristobal District	.....	502	.....	22	.....	.....	2,053	.....	48	.....	2,625
	543	.....	610	.....	691	3,163	.....	1,960	.....	4,075	11,042
Prisoners	22	.....	.....	.....	.....	102	.....	2	.....	3	129
Total employees	.....	2,111	.....	349	.....	.....	4,166	.....	103	.....	[1] 6,729
Total persons	2,375		2,501	.....	2,585	6,761	.....	3,363	.....	8,938	27,624

[1] Includes 72 civilian employees of the Army and Navy.

The population of the Balboa district decreased 269, due principally to the depopulation of Camp Gaillard. The Cristobal district increased 195, principally in the colored towns and rural districts. The number of prisoners increased 6, in comparison with the canvass of June, 1926.

Official Publications of Interest to Shipping.

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C. Z.; or, when more convenient, to The Panama Canal, Washington, D. C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Ships' Chandlery Supplies.

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost, plus 25 per cent surcharge which covers local freight, handling, and other costs.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Cristobal, C. Z., for Week Ending July 31, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Dinteldyk	Holland-American Line		July 24		305
Ancon	Panama Railroad S. S. Line		July 24		2,751
Calamares	United Fruit Co	July 24	July 24	7	40
Maravi	United Fruit Co	July 24	July 24	150	53
Heredia	United Fruit Co		July 25		45
Urubamba	Peruvian Line	July 24	July 26	(1)	51
Salvador	Pacific Steam Navigation Co	July 24	July 29	1,084	1,172
Essequibo	Pacific Steam Navigation Co	July 25	July 25	(1)	39
Pastores	United Fruit Co	July 25	July 27	333	(2)
Ecuador	Panama Mail S. S. Co	July 26	July 27	535	323
Eemdyk	Holland-American Line	July 26	July 27	(1)	102
La Marseillaise	French Line	July 26	July 27	15	312
Orduna	Pacific Steam Navigation Co	July 26	July 27	132	58
Antillian	Leyland Line	July 26	July 27	563	(3)
Sixaola	United Fruit Co	July 27	July 28	399	567
Santa Elisa	Grace Line	July 27	July 28	(1)	16
Suriname	United Fruit Co	July 27	July 28	384	112
Arana	Pacific Steam Navigation Co	July 27	July 29	219½	485
S. C. T. Dodd	Standard Oil Co	July 27	July 29	10,394	(3)
Chiman	Isthmian Land & Fruit Co	July 27	July 28	2½	(3)
Itauri	Hamburg-American Line	July 27	July 29	307	170
Saint Joseph	French Line	July 27	July 28	523	11
London Shipper	Furness, Withy & Co.	July 27	July 28	(1)	204
Orcoma	Pacific Steam Navigation Co	July 27	July 28	11	(1)
Kyphissia	Hamburg-American Line	July 27	July 27	72	60
Perou	French Line	July 27	July 29	55	565
Coppename	United Fruit Co	July 28	July 28	100	260
Tivives	United Fruit Co	July 28	July 28	(2)	65
Virginia	Standard Fruit S. S. Co	July 28	July 28	186½	7½
Colombia	Panama Mail S. S. Co	July 29	July 30	861	(3)
Albert Voegler	Hamburg-American Line	July 29	July 30	43	36
Axel Johnson	Johnson Line	July 29	July 30	76	(3)
Cauca	National Navigation Co.	July 29		272	
Alaska	French Line	July 29	July 30	23	27
Virginia	Standard Fruit S. S. Co	July 30	July 30	(1)	323
Macabi	United Fruit Co	July 30	July 30	187	344
Arizona	French Line	July 30	July 31	8	35
E. J. Sadler	Standard Oil Co. of N. J.	July 30		11,650	
Lagarto	Pacific Steam Navigation Co	July 31		184	
Sebara	Hamburg-American Line	July 31		97	
Pastores	United Fruit Co	July 31	July 31	13	53
Cartago	United Fruit Co	July 31		200	

[1] No cargo discharged. [2] 2 packages. [3] No cargo laded.

Report of Cargo Discharged and Laded by Vessels Entering and Clearing from Port of Balboa, C. Z., for Week Ending July 31, 1927.

Name of vessel.	Line or charterer.	Arrived.	Departed.	Cargo— Discharged	Cargo— Laded.
				Tons.	*Tons.*
Panama	East Asiatic Co	July 23	July 23	73	
Salvador	Pacific Steam Navigation Co	July 24	July 24	8	
Algonquin	Standard Transportation Co	July 26	July 27	9,790	
Ecuador	Panama Mail S. S. Co	July 27	July 27	75	59
Bokuyo Maru	Nippon Yusen Kaisha	July 27	July 28	258	
Colombia	Panama Mail S. S. Co	July 28	July 29	221	
Theodore Roosevelt	Fred Olsen & Co	July 28	July 30	684	
President Harrison	Dollar Line	July 29	July 29		31
Salvador	Pacific Steam Navigation Co	July 29	July 29		18
Itauri	Hamburg-American Line	July 29	July 30	236	
E. J. Sadler	Standard Oil Co. of N. J.	July 30	July 30	4,950	
Benjamin Franklin	Fred Olsen & Co	July 30	July 31		129
Mojave	Standard Transportation Co	July 31	August 1	9,218	
Walter Jennings	Standard Oil Co. of N. J.	July 31	July 31	5	

Information from American Consuls.

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

Merchandise Shipped to Canal Zone for Orders.

The Panama Railroad Company, a New York corporation, of which the stock is now owned by the United States Government, will warehouse "for orders" at its piers and warehouses at Balboa and Cristobal, Canal Zone, nonperishable and nondangerous merchandise, excepting alcoholic liquors. An illustrated pamphlet explaining in detail the arrangement may be had upon application to the Panama Railroad Co., Balboa Heights, C. Z., or 24 State Street, New York City.

On general merchandise the rates are as follows:

(*a*) For handling cargo from ship's side to storage place, the customary inward local charge of $1 per ton.

(*b*) For delivery or reforwarding, customary outward local charge of $1 per ton. (Total of 20 cents per ton more than regular transfer charge.)

(*c*) For storage, 3 cents per ton per day, except that no charge will be made for the first 35 days.

The Panama Railroad Company stores this cargo in four fireproof warehouses, 160 feet by 850 feet, at Cristobal, and in one of the same dimensions at Balboa.

Cargo stored for orders can be reforwarded from the Isthmus—each carrier to collect its proportion of the through rate instead of the local. This means that should a shipment move from New York to the Canal Zone, it will of course pay regular local rate to Balboa or Colon, as the case may be—but should owner wish to reforward to, say, "Guayaquil," he can do so by paying the oncarrier's proportion of the through rate. Upon evidence that the shipment or any part of it moved beyond the Canal Zone, the initial carrier will refund the difference between the through and local rate.

There are no special forms for use in shipping except the warehouseman's order to release the cargo for shipment ("Authority to Deliver Cargo from Storage on Piers)". Shipper takes out his bill of lading and consular invoice and the cargo moves as regular outward local.

Samples of the forms used, "Negotiable Warehouse Receipt," and "Authority to Deliver Cargo from Storage on Piers," are shown in the pamphlet referred to above.

Tolls Charges for Transit of The Panama Canal.

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity ..... .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton ..... .50
4. Army and Navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton.
6. Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa dry dock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

Postal and Cable Addresses of The Panama Canal.

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

The cable address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."

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